

1973

INDUSTRIAL WASTES STUDY

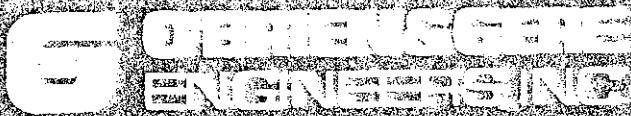
O'Brien & Gere

Report

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1973 INDUSTRIAL WASTES STUDY

**Onondaga County Department
of Public Works
Division of Drainage & Sanitation**



1973

INDUSTRIAL WASTES STUDY

ONONDAGA COUNTY DEPARTMENT OF PUBLIC WORKS
DIVISION OF DRAINAGE & SANITATION



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N.Y. License No. 39914

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Figure 2 Typical Wastewater Sampling Manhole

SECTION I - INTRODUCTION

The Federal Water Pollution Control Act Amendments of 1972 have placed certain conditions on the approval of grants for publicly owned treatment works which contain industrial discharges. These new conditions prior to grant approval require that the applicant:

1. Has adopted a system of user charges such that each recipient of waste treatment services will pay its proportionate share for the cost of operation and maintenance of waste treatment services.
2. Has made provisions to recover that portion of the cost of construction which is applicable to the treatment of industrial waste to the extent of the Federal Aid received.
3. Has a letter of intent from each significant industrial user to pay that portion of the grant amount allocatable to the treatment of its wastes.

Onondaga County has adopted a system of charges. However, the expected cost of each industrial user could not be determined until each industrial wastewater discharge was measured and characterized. The wastewater discharged by each industry in Onondaga County was sampled, measured, and analyzed so as to fully characterize every effluent discharge. Each industry was classified according to its major Standard Industrial Classification (SIC) code. Each sample was analyzed for the parameters specified on the discharge permit application for each particular SIC code. All of the analyses were performed at the O'Brien & Gere Laboratory while the sample collection and flow measurement was accomplished by O'Brien & Gere Engineers, Inc., Calocerinos and Spina, Consulting Engineers and R.D. Charlebois, P.C. Consulting Engineers.

A computer program was developed to list all of the industries, store all of the analyses and calculate the charges for each industry based on its measured flow and wastewater characteristics. The computer program was developed in coordination with County personnel so that the final output would be a pre-addressed bill for each industry. Industrial charges for wastewater treatment will be recalculated as industrial flows and characteristics are updated by continuing sample collections.

SECTION 2 - STUDY APPROACH AND SAMPLING TECHNIQUES

2.01. GENERAL

The first phase of the study consisted of compiling a list of all the industries in Onondaga County with their associated SIC codes. (See Appendix 1). Each industry was notified of the study and that its wastewater would be sampled and analyzed by the County or its consultants. Prior to the start of sampling, each industry was interviewed to obtain background information. Composite and/or grab samples were collected from most of the industries for analysis. All of the samples collected were analyzed at the O'Brien & Gere Laboratory for parameters in accordance with the industry's SIC code.

2.02. COMPILATION OF ALL INDUSTRIES

A list of all known industries in Onondaga County was compiled from the Seventh Edition of the Directory of Onondaga County Manufacturers and Products (published by Manufacturers Association of Syracuse), Onondaga County files of industries discharging wastewater, telephone directory, and Dunn & Bradstreet Metal Working Directory. Each industry was then classified according to its major group of Standard Industrial Classification (SIC). Each industry's address was included along with an individual's name, whenever available.

2.03. NOTIFICATION AND INTERVIEW OF EACH INDUSTRY

Prior to commencing any sampling or analysis, each industry was notified by Onondaga County of the impending program. The notification was in the form of a letter from the County detailing the necessity of the program and the impact that it would have on industry. Included with the letter was a postcard to be returned giving the name and a telephone number of the person to contact relative to the study. Appendix 2 is a copy of this letter.

After notification, an interview was conducted of every industry. During the interview, basic information was obtained from the industry, such as the number of employees, working hours, water purchased, manufacturing processes, finished products, raw products required, map or sketch of potential sampling location and any wastewater treatment provided. If any unusual contaminants were suspected to be in the wastewater as a result of materials utilized, a notation was made of this so that they could later be analyzed. The sample interview form is contained in Appendix 3.

A tour of the plant was also performed to review the processes, especially those producing wastewater.

2.04. SAMPLING TECHNIQUES AND IDENTIFICATION

The sampling and flow measurements were conducted by O'Brien & Gere Engineers, Inc., Calocerinos & Spina Consulting Engineers and Robert D. Charlebois Consulting

Engineers, P.C. Each engineering firm sampled approximately one-third of the industries. Most of the larger industries were sampled by O'Brien & Gere due to our possession of extensive automated sampling equipment.

Whenever possible, if an industry had more than one discharge point, composite samples were collected of each discharge. Most of the samples were composited over the production day utilizing automated samplers. The majority of the samples were collected at manholes or vents prior to tying into the municipal sewers. Whenever a sample location could not be readily found, samples were collected at the wastewater source. Grab samples were collected from the smaller industries where minimal or no industrial wastewater is discharged. Grab samples were also collected at process tanks that are periodically dumped and any unusual conditions discovered during the visit were sampled. Industries that did not discharge any industrial wastewater were not sampled.

Each sample collected was identified according to a tagging system. Prior to leaving any sample in the laboratory for analysis, they were tagged to insure that no mixup of the samples occurred. The tag identified each sample as to industry, SIC code, date and time of sample collection, type of sample and sewer number for location of sample collection. The filled-out tags also served to notify the laboratory that samples were available for analysis. A typical sampling identification tag is shown in Appendix 4.

2.05. FLOW MEASUREMENTS

The water purchase records, obtained during the plant visit, were utilized to determine the volume of wastewater being discharged by the majority of industries. For several of the large water users, wastewater flows were measured utilizing the lithium chloride dilution technique, or with the aid of V-notch weirs. The lithium chloride technique consists of adding lithium chloride at a known flow rate and concentration, upstream from the sampling point. The flow rate was then calculated from the lithium concentration measured in the downstream samples. These downstream samples were collected with an automatic sampler on an hourly basis over the production day. When V-notch weirs were put into use, a level recorder measured the height over the weir from which the flow rate was calculated.

2.06. ANALYSIS OF SAMPLES

The analyses of all the samples collected by the three engineering firms were performed by the O'Brien & Gere Laboratory in accordance with the 13th Edition of Standard Methods or EPA's Methods for Chemical Analysis of Water and Wastes 1971. The samples were analyzed as soon after receipt as possible. If the analyses could not be performed when the samples were received, they were properly preserved for analysis at a later time.

The parameters measured were determined by SIC codes. (See Appendix 5 for the analysis requirements by SIC code.) The listed parameters are those that were required for the filing of the Corps of Engineers discharge permit applications. As a minimum, the basic 12 parameters, required for Part A of the discharge permits, were measured for all the industries. The basic 12 parameters measured consist of total alkalinity, BOD₅, COD, total solids, total dissolved solids, volatile solids, ammonia nitrogen, total Kjeldahl nitrogen, nitrate nitrogen, total phosphorus and pH. Automated analysis procedures with a Technical Autoanalyzer were utilized to measure the alkalinity, acidity, nitrogen series, phosphorus and chlorides. Any parameter not listed but suspected to be in the effluent as a result of interviews or previous analysis, was also measured. Metal analyses were performed utilizing a Perkin Elmer Model 290 Atomic Absorption Spectrophotometer.

SECTION 3 - COMPUTERIZED DATA HANDLING

3.01. GENERAL

A computer program was developed to store all of the information pertaining to each industry along with all of the analyses results, and then calculate the Federal Aid payback and any charge for the O&M and local share of capital cost.

3.02. LISTING OF INDUSTRIES

The first phase of the computer program was to develop a listing of all the industries that might require sampling. The listing contains such information as the industry's major SIC code, address, an individual's name (if known), the treatment plant to which its wastewaters are discharged, and an industry code number. The industry code number assigned by the computer, assisted in identification. The program was developed such that a listing of the industries could be obtained by alphabetical order, by SIC codes, or by the industry code number.

3.03. STORAGE OF ANALYSES RESULTS

All of the analyses results are stored in a computer file. The computer was also utilized to perform most of the calculations required for the analyses. The analyses stored in the computer files can then be utilized to calculate each industry's charge and to determine which industries require pre-treatment prior to discharging to the County's sewers.

3.04. CHARGE PROGRAM

An additional computer program has been developed to estimate each industry's share of the Federal Aid payback, the annual O&M charge and the local share of the construction costs for any treatment plant. Figure 1 is a flow sheet of the program. The program uses the analytical data collected along with the stored information concerning each industry to perform the calculations.

The first objective accomplished is to compare the measured parameters for each industry with pre-treatment standards for that industry and to flag any industry which exceeds those pre-treatment standards. The specific parameters that surpass the standards along with the value of the standard are reported. The program then continues from this point assuming that any parameters exceeding the pre-treatment standards have been reduced to meet the standards.

The program estimates the sanitary wastewater flow by using 20 gpd per employee. If the estimated sanitary flow is equal to or greater than the measured flow or water usage, it is assumed that the discharge is all Sanitary Sewage and thus there would not be any Federal Aid payback. If the measured flow is greater than the estimated sanitary flow, then the Federal Aid payback is calculated using the industrial wastewater flow only, which is the difference between total flow and estimated sanitary flow. The total flow is utilized to calculate the charges for O&M and local debt retirement.

In calculating the Federal payback and the other charges general allocation formulae were used such that the specifics for each treatment plant, trunk sewer, pumping station, etc. are utilized by the computer for the calculations. The program is designed such that an industrial discharge can flow through more than one treatment works. Other information utilized by the program, besides the measured parameters and flow to calculate the charges are: taxes paid by each industry for wastewater treatment, treatment plant flow and loading, yearly debt retirement costs, annual O&M costs, total construction costs, and the percent allocation of costs as to flow, BOD, suspended solids, and any other parameter. The general formulae used are:

(1) For O&M Charges

$$D_s = \frac{A}{100} \left[\frac{X(F)}{Q} + \frac{Y(BI)}{BP} + \frac{Z(SI)}{SP} + U \right]$$

(2) For Local Debt Retirement Charges

$$DRI = \frac{DRP}{100} \left[\frac{E(F)}{Q} + \frac{G(BI)}{BP} + \frac{H(SI)}{SP} + U \right]$$

(3) For Federal Aid Payback

$$FSP = \frac{FS}{(30)(100)} \left[\frac{E(F-S)}{Q} + \frac{G(BI)}{BP} + \frac{H(SI)}{SP} + U \right]$$

Where:

- D_s = Industry share of the annual O&M costs.
 A = Annual O&M costs of treatment facility.
 Q = Average daily flow of treatment facility influent.
 F = Average daily flow rate of industrial discharge.
 S = Average daily flow rate of sanitary wastewater for industry
 BP = Average daily BOD_5 (lbs) of treatment facility influent.
 BI = Average daily BOD_5 (lbs) of industrial discharge.
 SP = Average daily solids (lbs) of treatment facility influent.

SI = Average daily solids (lbs) of industrial discharge.
X = Percent of O&M cost attributable to flow.
Y = Percent of O&M cost attributable to BOD.
Z = Percent of O&M cost attributable to Solids.
DRI = Industry share of annual debt retirement.
DRP = Annual debt retirement cost of treatment facility.
E = Percent of construction cost attributable to flow.
G = Percent of construction cost attributable to BOD.
H = Percent of construction cost attributable to Solids.
FSP = Industrial payback of Federal Aid.
U = Cost attributable to any other parameter.

The program is set up such that as additional up-to-date data is collected, it is used to recompute the charges. In this manner if the characteristics of the discharges change, the charge to be paid by each industry will reflect these changes. If an industrial discharge flows through more than one plant, such as through Ley Creek, and then to Metro, the charge for the second plant is computed by subtracting the percent removal of each parameter through the first plant and leaving the remainder as the influent to the second plant.

The final output from the program is in a billing form for each industry. This form can be used for billing each industry for all the charges. The billing form will list separately, for each plant, the Federal Aid payback, the O&M, and local debt retirement. To the O&M and local debt retirement charges, could be credited any taxes presently paid for wastewater treatment. A typical billing form for the industries is located in Appendix 6.

In addition to calculating each industry's treatment cost, the program also stores the sampling and analysis cost for each industry. This cost could then be added to the treatment costs if desired.

SECTION 4 - RESULTS OF SAMPLING PROGRAM

4.01. GENERAL

The sampling of most of the industries was accomplished during the months of June, July, and August 1973. A total of 240 industries were sampled. There are several industries that were not sampled in 1973 since major changes in process were in progress and sampling of these industries will be accomplished once the changes are completed. Some of the industries on the original list were not sampled since in most cases they had a dry process and the only wastewater was from the sanitary facilities.

4.02. INDUSTRIES NOT REQUIRED TO BE SAMPLED

There were a number of industries that did not require sampling. The majority of the industries that were not sampled had a dry processing operation so that the discharge from these plants contained wastewater from sanitary facilities only. Other industries that were not sampled had either gone out of business, consisted of storage facilities only, discharged to their own septic tanks, or they were a part of another industry. These particular industries have been deleted from the listing. The current listing of industries is contained in Appendix 1. Two listings are included, one arranged alphabetically and the other arranged numerically by industry code.

4.03. SAMPLED INDUSTRIES

A total of 96 industries have been sampled by O'Brien & Gere which resulted in the collection of 259 samples. Of the samples collected, about 57% of them were composite samples with the rest being grab samples. The grab samples were collected for those discharges that contained minimal industrial wastewater. The composite samples were collected with composite or sequential samplers. The sequential samplers were utilized in conjunction with flow measurement since the hourly samples were needed to measure the lithium concentrations that determine hourly flow rates.

In addition to the industries sampled, a total of six treatment plant influents were sampled to fully characterize their influents. Also the Ley Creek Treatment Plant effluent was sampled since this comprises part of the Metro plant influent. The influents sampled were those of the Metro, Ley Creek, Geddes No. 4, Meadowbrook - Limestone, Davis Road, and Morgan Road treatment plants.

Of the 240 industries sampled by the three firms, it was found that the discharges from 101 industries were in violation of the sewer use ordinance. However, 45 of these were in violation of pH only, while the rest (56) were in violation with respect to metals and Oil & Grease concentrations. Those industries found to be in violation of the sewer use ordinance should be monitored more closely before requiring them to pre-treat prior to discharge to the municipal sewers.

The analytical results of all of the samples collected including the treatment plants, are contained in Appendix 7. They are arranged numerically by industry number.

During the sampling program, representative car washes, laundromats, dry cleaners, and hospitals were sampled to determine their wastewater characteristics and try to apply the results to each general category of industry. The analytical results indicate that this might not be universally equitable since the parameters measured at one facility are quite different than those measured at another facility within the same general category. It is recommended that additional sampling and analyses be performed before a final determination is made.

4.04. DESCRIPTION OF EACH INDUSTRY

A brief description of each industry that was sampled and/or interviewed is included in Appendix 8. Such information as manufacturing processes, water usage, number of employees, volume of raw materials and/or products, and a sketch or description of the sampling location is included with the description of each industry.

SECTION 5 - CONCLUSIONS AND RECOMMENDATIONS

5.01. CONCLUSIONS

The Industrial Wastewater Survey conducted in the summer of 1973 has been used to estimate each industry's share of the O&M, debt retirement and federal aid payback (where applicable) for the treatment plant or plants to which the industry discharges its wastewater. The initial estimate utilizing the data collected shows that about \$402,000 per year could be collected from industries discharging to the Ley Creek Treatment Plant. A total of \$752,000 could be collected from industries discharging to the Metro Plant once that plant's expansion and upgrading is completed. The taxes paid by these industries should be credited toward these estimates. The estimate for the Metro plant includes \$422,600 per year to be collected for the federal aid repayment.

It is concluded that a continuing sampling and analysis program can be used to monitor all of the industrial discharges in Onondaga County to both insure that no toxic substances are discharged to the treatment plant and to continuously update the wastewater characteristics and calculate the annual charges on the current data. In conjunction with the monitoring program, the major industries should construct sampling manholes to facilitate sample collection and flow measurement. This would also reduce the costs associated with sample collection and flow measurement.

5.02. RECOMMENDATIONS

A. It is recommended that a continuous monitoring program of all industries be established. The program would be utilized to monitor the discharge of toxic pollutants, (i.e., violation of the sewer use ordinance) from any industry, and to obtain up to date wastewater characteristics for each industry so that the charges calculated would be based on current data.

Appendix 9 is a proposed monitoring program for the industries sampled in 1973. The program has been set up such that each industry's sampling frequency is based on its flow and wastewater characteristics measured in 1973. The detailed criteria used in establishing the sampling frequency is contained in Appendix 9.

The proposed sampling frequency should be regarded as a starting point. It should be revised as additional data is collected for each industry. For example, if an industry stops the discharge of toxic metals its sampling frequency should be decreased or if an industry's flow increases and its wastewater characteristics change then its sampling frequency should be increased. This type of flexible sampling program will also allow the addition or deletion of industries from the monitoring program.

The continuing monitoring program should be utilized to make a final determination if representative car washes, laundromats, dry cleaners, etc. can be sampled and the analytical results used to calculate the charges for all of the industries within each general category. Such a system would utilize the records of water purchased for the flow value.

B. If an industry is to be sampled more than once a year, per Appendix 9, it is recommended that the industry construct a sampling manhole to obtain accurate flow measurements and facilitate the collection of samples. Section 3.19 of the Sewer Use Ordinance makes provision for an industry to construct such a manhole, at the industry's expense, when directed by order of the Commissioner. Figure 2 is a drawing of a typical sampling manhole that could be sent to any industry that requests it. In addition to facilitating samples collection and flow measurement, the installation of a sampling manhole would greatly reduce the sampling costs.

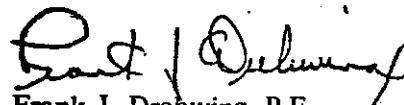
It is recommended that water use records where available be used instead of detailed flow measurements for those industries that are scheduled to be sampled only once a year. For those industries, a convenient sampling location would be sufficient instead of the sampling manhole.

C. It is recommended that the cost to conduct the continuous monitoring program be recovered from the industries based on the actual costs expended to sample and analyze each industrial discharge. These costs can be maintained for each industry with the existing computer program, and thus, be added to each industry's treatment costs. This method of financing will make the monitoring program self supporting and not part of the treatment plant's general operating costs.

D. Consideration should be given to the possibility of instituting the total prescribed cost recovery program for local debt service costs and local operating and maintenance costs at some future date which might be prior to the actual completion of the Metropolitan Syracuse Treatment plant expansion. In such a case, the charges would be based only on the existing debt service and operating and maintenance costs and the charge would be gradually increased as the new expansion work is completed and the Federal Aid payback provision becomes required.

Respectfully submitted,

O'BRIEN & GERE ENGINEERS, INC.



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APPENDIX I
ALPHABETICAL LIST OF ONONDAGA COUNTY INDUSTRIES

COMPANY LISTING

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COMPANY NAME	SIC CODE	NS P	ST M	OA MM	TREAT PLANT	CC	
						AI	E
A AMERICNA CHEMICAL CO.	36	1	1.0	LC	M	3650 JAMES ST. SYRACUSE N.Y.	377
A.E. LOFTS, INC.	35	1	1.0	M		WILLIAM CUMMINGS 559 E. BRIGHTON AVE. SYRACUSE N.Y. 13210	263
A.E. NETTLETON CO.	314	0	0.0	M		N STATE ST. & WILLOW ST. SYRACUSE N.Y.	448
A.J. WALLON & SON	26	1	1.0	M		NANCY FINCH 312 S. FRANKLIN ST. SYRACUSE N.Y. 13202	106
A.L.GARBER CO.	26	1	2.0	M		LARKIN SMITH BOX 1318 156 SOLAR ST. SYRACUSE N.Y. 13201	105
A88DTT TOOL & MACHINE CO., INC.	35	1	1.0	M		MR. DAVIS BOX 193 (100 E. HIAWATHA BLVD.) SYRACUSE N.Y. 13208	248
ABC DIAPER SERVICE	7214	1	1.0	M		459 BURNET AVE. SYRACUSE N.Y.	367
ACME METAL PRODUCTS CO.	35	1	1.0	M		STEPHEN M. BACKITY 113 PULASKI ST. SYRACUSE N.Y. 13204	249
ACORN TOOL CO.	35	1	1.0	M		ROBERT DAVIS 311 N. HIGHLAND AVE. E.SYRACUSE N.Y. 13057	250
ACRO-CEL TOOL & MACHINE CO.	35	1	1.0	M		155 EDISON ST. SYRACUSE N.Y. 13204	251
ADVANCED WELDING	35	1	1.0	LC	M	JOE OSINSKY,JR. COURT ST. RD. SYRACUSE N.Y. 13206	252
AIRCO PLATING CO.	347	1	1.0	LC	M	1968 TEALL AVE. SYRACUSE N.Y. 13206	184
AJM BUMPER PLATING CORP.	347	2	3.0	N		BUD SOCIA 120 WALL ST. SYRACUSE N.Y. 13204	183

COMPANY LISTING

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COMPANY NAME	SIC CODE	P	PE	NS OA MM TREAT PLANT	ST AI	REFERENCE NAME	ADDRESS	CC
								D E
ALGEO MFG. INC.	35	1	1.0	LC	M	JOHN CASELLA	BOX 317 1620 BURNET AVE. SYRACUSE N.Y. 13206	1
ALL-STATE STAMPINGS CORP.	347	1	1.0	M		PETER AMICO	538 ERIE BLVD. W. SYRACUSE N.Y. 13204	185
ALLEN TOOL CORP.	35	1	2.0	M		RICHARD H. DARRONE	BOX 1382 (308 MALTBIE ST.) SYRACUSE N.Y. 13201	201
ALLIED CHEMICAL CORP. IND. CHEM.DIV.	281	1	1.0	M			BOX 6 HILTON AVE. SOLVAY N.Y. 13209	110
ALLIED INDUSTRIAL LAUNDRY	7219	1	1.0	M		ERIC PETERSON	3117 HILTON AVE. SOLVAY N.Y.	354
ALLIED INVALID EQUIPMENT CO.	35	1	1.0	M		MR. SHAW	111 WYOMING STREET, SYRACUSE N.Y. 13204	253
ALLIED TOOL CORP.	35	1	1.0	LC	M	STEVE ROBINSON	BOX 148 OLIVA DR. & E. MOLLOY RD. SYRACUSE NY 13211	2
ALPHA PORTLAND CEMENT CO.	32	2	3.0	M		J.P. HENGWASSER	RUCKCUT RD. JAMESVILLE N.Y. 13078	136
ALUM-A-ALOK PRODUCTS	34	1	1.0				100 MARION ST. SYRACUSE N.Y.	372
AMERICAN GRANBY CO., INC.	35	1	1.0				1111 VINE ST. LIVERPOOL N.Y. 13088	443
AMERICAN OPTICAL CO.	383	1	1.0	M			537 JAMES ST. SYRACUSE N.Y. 13203	287
AMERICAN PRODUCTION & GRINDING CORP.	35	1	1.0	M			213 WASHINGTON SQUARE SYRACUSE N.Y. 13208	254
ANAREN MICROWAVE, INC.	36	1	2.0	M		R.E. GUMMER	185 AINSLEY DRIVE SYRACUSE NEW YORK 13210	267

COMPANY LISTING

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COMPANY NAME	SIC CODE	ST OA CODE P	MM AI PE	TREAT PLANT CODES	REFERENCE NAME	ADDRESS	CC OO D E
ANOPLATE CORP.	347	2	3.0	M	H. STEVENSON	465 PULASKI ST. SYRACUSE N.Y. 13204	186
ARTEL ONE HOUR CLEANERS	721	1	1.0	M	RICHARD CASOLE	3028 S. SALINA ST. SYRACUSE N.Y.	362
ASSOCIATED SPRING CORP. SYRACUSE PL	34	1	1.0	M	J.C. NARDUCCI	STATE FAIR BLVD. SUYVAY N.Y. 13209	318
ATLANTIC SEAFOOD CO.	209	0	1.0	M		424 SO. GEDDES ST. SYRACUSE N.Y. 13204	401
ATLAS BAKING CO.	205	1	1.0	M	F. FREIMARK	WESTVALE PLAZA SYRACUSE N.Y. 13219	416
ATLAS LINEN SUPPLY CO., INC.	7213	3	3.0	M	C.J. MYSLINSKI	405 W. TAYLOR ST. SYRACUSE N.Y.	342
AUBOUR CORP.	26	1	1.0	M		BOX 1352 123 LARNED ST. SYRACUSE N.Y. 13201	97
B.G. SULZLE, INC.	384	1	1.0	LC M		1 NEEDLE LANE SYRACUSE N.Y. 13208	55
BABBIT BEARINGS-DIV. SERVICE MACHINE	35	1	1.0	M	CHARLES P. WART	734 BURNET AVE. SYRACUSE N.Y.	364
BARBER TOOL COMPANY	35	1	1.0	M	CEDRIC BARBER	112 DUKE DRIVE SYRACUSE NEW YORK 13201	202
BARRETT PAVING MATERIALS ALLIED CHEM	29	2	3.0	M	D.G. WELLS	BOX 1118 STATE FAIR BLVD. SYRACUSE N.Y. 13201	127
BASILE'S WHOLESALE MEATS	201	1	1.0	M		1700 LODI ST. SYRACUSE N.Y.	337
BAUSCH & LOMB, INC.	383	1	1.0	M	PAT COYLE	472 S. SALINA ST. SYRACUSE N.Y. 13202	288

COMPANY LISTING

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COMPANY NAME	SIC CODE	NS P M	ST PE H.H. TREAT. PLANT CODES	REFERENCE NAME	ADDRESS	CC OO D E
BENTLEY WELDERY & MACHINE CORP.	35	1 1.0	LC M		BOX 173 EASTWOOD STA (226MIDLER PK)	255
BERG DIAPER SERVICE	7214	1 1.0	LC M		2510 BURNET AVE. SYRACUSE N.Y.	368
BILTWELL DRY CLEANING CO.	721	1 0.0	M		936 E. GENESEE ST. SYRACUSE NEW YORK	458
BLISS STEEL PRODUCTS CORP.	34	1 1.0	LC M	G.C. BLISS	617 W. MANLIUS ST. E.SYRACUSE N.Y.	3
BLUE BOY ALL STAR	209	1 1.0	M		116 BALL CIRCLE SYRACUSE N.Y.	350
BOHANON CORCORAN PRINTING CORP.	26	1 1.0	M	RAY CORCORAN	1112 E. FAYETTE ST. SYRACUSE N.Y.	345
BOHAC INC.	36	1 1.0	LC M		407 BROWN AVE. SYRACUSE N.Y.	269
BORDEN FOODS, DIV. OF BORDEN INC.	203	1 1.0	M	JOHN MALAGIAN	600 N. FRANKLIN STREET SYRACUSE N.Y.	4
BORDEN INC. DAIRY & SERVICES DIV.	202	1 1.0	LC M	A.J.DOMEIKA	BOX 1120 6166 E. MOLLOY RD. E.SYRACUSE N.Y.	61
BOWMAN MACHINE SHOP	35	1 1.0	MR		4044 ELMCREST RD. LIVERPOOL N.Y.	256
BRACE MUELLER-HUNTLEY, INC.	34	1 0.5	LC M	MR. PETERS	THOMPSON ROAD SYRACUSE NEW YORK	476
BRANNOCK DEVICE CO.	38	1 1.0	M	CHARLES BRANNOCK	509 E. FAYETTE ST. SYRACUSE N.Y.	289
BRISTOL LABORATORIES	283	3 2.0	LC M	GEORGE MENTER	BOX 657 THOMPSON RD. SYRACUSE N.Y.	5
					13201	

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COMPANY NAME	SIC CODE	NS P	ST MM	TREAT PLANT CODES	REFERENCE NAME	ADDRESS	CC
							OO
BROWN PRINTING CO. OF SYRACUSE	26	1	1.0	M	ROBERT BROWN	600 N. STATE ST. SYRACUSE N.Y.	D
BROWN & REAGAN INC.	3479	1	1.0	M	B.F. REAGAN	116 GRANGER ST. SYRACUSE N.Y. 13202	E
BUCKLEY RD. CAR WASH	7542	1	0.5	DR	S.E.A. KORVENIEWSKI	7194 BUCKLEY RD. NORTH SYRACUSE NEW YORK	465
BURDETT OXYGEN CO. OF SYR. INC.	281	1	1.0	MR	MIKE KADLOWBOWSKI	BOX O MORGAN PLACE LIVERPOOL N.Y. 13088	111
BURKHARD BROS., INC.	35	1	1.0	LC M	ROBERT T. BURKARD	BOX 303 EASTWOOD STA. (203 WAVEST)	6
BURNETT PROCESS INC.	32	2	3.0	M	RONALD SALAYDA	BOX 331 EASTWOOD STA. COURT ST. RD.	138
BURNS MFG. CO., INC.	34	1	2.0	MR	J.C. EDGERTON	6710 COMMERCE BOULEVARD SYRACUSE N.Y. 13210	321
BYRNE DAIRY INC.	202	1	1.0	M	WILLIAM BYRNE	240 ONEIDA ST. SYRACUSE N.Y. 13202	62
C.A. REEVE PAINT CO., INC.	285	1	1.0	M	DONALD F. MARTIN	619 W. FAYETTE ST. SYRACUSE N.Y. 13204	120
C.H. YOUNG MANUFACTURING CO.	24	1	1.0	M	ROBERT YOUNG	203-205 SOLAR ST. SYRACUSE N.Y. 13204	95
CALDWELL & HARD BRASS CO.	336	1	2.0	M	PETER LAMPREDA	124 BURNET AVE. SYRACUSE N.Y. 13203	395
CAMBRIDGE FILTER CORP.	35	2	3.0	MR	BERNARD F. TRIMBUR	BOX 1255 (7645 SEVENTH NORTH RD.)	246
CAMILLUS CUTLERY CO.	34	3	5.0	C	NILO MIORI	MAIN ST. CAMILLUS N.Y. 13031	322

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COMPANY NAME	NS CODE	ST P	DA PE	SIC MM	TREAT PLANT CODES	REFERENCE NAME	ADDRESS	CC OO D E
CANADA DRY BOTTLING CO. OF SYR. N.Y.	208	1	1.0	LC	M	ROBERT DRUMM	MOORE ROAD MATTYDALE NEW YORK 13201	7
CARDINAL CLEANERS		7215	1	0.0	ML		119 W. SENECA ST. MANLIUS NEW YORK	459
CARLYLE COMPRESSOR CO. DIV CARRIER	35	1	0.5	LC	M	DON COMP	6500 CHRYSLER DRIVE SYRACUSE NEW YORK	268
CARPENTER MFG. CO., INC.	35	1	2.0	ML		H.J. CARPENTER	FAIRGROUNDS DRIVE MANLIUS N.Y. 13104	193
CARPENTER TECHNOLOGY CORP.	503	1	1.0	M		H.R. POTTER	6715 JOY DR. EAST SYRACUSE N.Y. 13057	441
CARRIER AIR CONDITIONING CO.	35	3	5.0	LC	M	N. CHUDYK	CARRIER PARKWAY SYRACUSE N.Y. 13201	8
CARRINGTON TOOL & DIE CO.	35	1	1.0	B		R. CARRINGTON	16 E. ONEIDA BLVD. BALDWINSVILLE N.Y. 13027	380
CAST-O-MATIC DIV. OF ARWOOD CORP.	336	1	1.0	LC	M	RICHARD ADAMS	WAVEL ST. SYRACUSE N.Y. 13206	9
CATHEDRAL CANDLE CO.	39	1	2.0	M		LOUIS STEIGERHALD	510 KIRKPATRICK ST. SYRACUSE N.Y. 13208	296
CENTRAL PLATING CO., INC.	347	2	3.0	M		NEIL MAFFEI	931 BURNET AVE. SYRACUSE N.Y. 13202	189
CENTRO	417	1	0.5	M		H.J. HAFNER	614 SOUTH SALINA STREET SYRACUSE NEW YORK	470
CHANNEL CHALKBOARDS DIV CHANNEL IND.	32	1	1.0	M		L.J. KOSTREZEWSKI	750 SPENCER STREET SYRACUSE N.Y. 13211	139
CHEMICAL LEAMAN TANK LINES, INC.	423	1	0.5	M		FRANK WILSON	117 GAME ROAD SYRACUSE NEW YORK	468

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								E
CHURCH & DEWIGHT CO., INC.	281	2	3.0	M		MERRILL K. HOFFMAN	BOX 751 1416 WILLIS AVE. SYRACUSE N.Y. 13201	112
CICERO WIRE ROD CO.	34	1	1.0			ARTHUR J. MURPHY	6426 TAFT RD. BOX 100 E. SYRACUSE N.Y. 13057	381
CITRUS FRUIT JUICE CO. INC.	203	1	1.0				WARNERS WARNERS N.Y. 13164	68
CITY LINEN & TOWEL SUPPLY CO., INC.	721	1	1.0	M		R.J. ROSS	507 POND ST. SYRACUSE N.Y.	352
CITY PATTERN SHOP, INC.	35	1	1.0	M		T. HUMISTON	P.O. BOX 206 DEWITT NEW YORK 13214	235
CLARK CONCRETE CO., INC.	32	1	1.0	M		M.A. CLARK	LYNCH & TEALL AVE. SYRACUSE N.Y. 13210	140
CLARK TRUCKING CO.	423	0	0.0	M		MR. MILLER	BRIGHTON AVE. SYRACUSE NEW YORK	450
CLICQUOT CLUB BOTTLING CO.	208	1	1.0	LC	M	PETER RINELLA	NEW COURT AVE. SYRACUSE N.Y. 13206	11
CLINTON'S DITCH COOPERATIVE CO., INC.	208	1	1.0	DR		FRANK G. STAROPOLI	P.O. BOX G CICERO N.Y. 13039	447
COLUMBUS BAKING CO.	205	0	0.0	M		NICK COSTAS	502 PEARL ST. SYRACUSE N.Y. 13203	74
COMMUNITY GENERAL HOSPITAL	806	2	0.5	M		HUGH BIRMINGHAM	BROAD ROAD SYRACUSE NEW YORK 13215	471
CONTI OPTICAL CO., INC.	383	1	1.0	M		JAMES M. CONTI	235 E. WATER STREET SYRACUSE N.Y. 13202	290
CONTINENTAL CAN CO., INC.	26	1	1.0	M		FRANK SHEEHAN	911 HIAWATHA BLVD., E. SYRACUSE N.Y. 13208	13

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COMPANY NAME	SIC CODE	M P	ST PE	MM TREAT PLANT CODES	REFERENCE NAME	ADDRESS	CC OO D E
CONTINENTAL TELEPHONE CORPORATION	481	0	0-0	MR		7481 SEVENTH NORTH STREET	474
CORENCO CORP./SYRACUSE RENDERING CO.	209	2	2.0	LC M	D. BUCKLIN	BOX 962 2621 ERIE BLVD., E. SYRACUSE N.Y. 13201	14
COSCO GRAPHICS DIV. CONSOLIDATED IND	39	1	1.0	LC M		BOX 186 2207 TEALL AVE. E. SYRACUSE N.Y. 13057	32
COYNE INDUSTRIAL LAUNDRY	7219	1	1.0	M	J. STANLEY COYNE	132 CORTLAND AVE. SYRACUSE N.Y.	343
CROUSE-HINDS CO.	36	1	1.0	MR	RAY WACHOB	WOODARD INDUSTRIAL PARK LIVERPOOL N.Y. 13088	399
CROUSE-HINDS COMPANY	36	3	4.0	LC M	RAY WACHUB	WOLF & SEVENTH NORTH STS. SYRACUSE N.Y. 13201	16
CROWLEY'S MILK CO., INC. NTH'RLD DIV	202	1	1.0	M	R.J. GUIENDON	BOX 1280 215 TULLY ST. SYRACUSE N.Y. 13201	63
CURRY, MC LAUGHLIN AND LEN, INC. (*)	36	1	1.0	LC M		PICKARD BLDG. EAST MOLLOY RD. SYRACUSE N.Y.	17
CUSTOM SHEET METAL CORP.	34	1	1.0	M	GEORGE H. BROWN	1943 TEALL AVE. SYRACUSE N.Y. 13206	165
DAIRYMEN'S LEAGUE CO-OPERATIVE ASSN.	202	2	3.0	M	STEPHEN GREEN	810 BURNET AVE. SYRACUSE N.Y. 13203	18
DARLING ICE CREAM CO. INC.	202	1	1.0	M	ANTHONY SCRO	836 N. STATE ST. SYRACUSE N.Y. 13208	64
DAVIS TOOL & GAGE, INC.	35	1	1.0	M	MR. DAVIS	1068 SOUTH CLINTON ST. SYRACUSE N.Y. 13203	203
DEMONG MACHINE WORKS	35	1	1.0	M		404 PEARL AVE. SYRACUSE N.Y.	370

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DEWITT PACKING CORP.	201	1 2.0	M	GERALD NAISTADT	BOX 21, COLVIN STA. JAMESVILLE AVE.	JAMESVILLE N.Y.	57
DEWITT-AERO MFG. CORP.	34	1 1.0	LC M	JAMES DEFURIA	BOX 24 DEWITT-JAMESVILLE RD.	DEWITT N.Y.	178
DIEBOLD INC., LAMSON DIVISION	35	1 1.0	LC M	HOWARD EGLOWSTEIN	LAMSON ST. SYRACUSE N.Y.	13206	34
DEFENDORF GEAR CORP.	35	1 2.0	M	D.W. DIEDENDORF	BOX 934 (920 W. BELDEN AVE.)	SYRACUSE N.Y.	226
DILAURO BAKERY	205	1 1.0	M	F.J. SPINA	502 E. DIVISION ST. SYRACUSE N.Y.	13208	75
DUDLEY POULTRY CO.	251	1 0.5			LUTHER AVE & SEVENTH NORTH ST. SYRACUSE N.Y.		313
DUR-O-WAL PRODUCTS, INC.	34	1 1.0	M	H.F. FAGAN	BOX 628 207 W. TAYLOR ST.	SYRACUSE N.Y.	324
E.F. COOK CO.	35	1 1.0	LC M		100 DIPPOLD A. SYRACUSE N.Y.	13208	221
E.R. SIEFERT, INC.	35	1 1.0	M	MR. BABLOK	101 PICKARD DRIVE SYRACUSE N.Y.	13210	198
E-L MACHINE & TOOL CO.	35	1 1.0	M	MR. LETSON	419 RIEGEL ST. SYRACUSE N.Y.	13206	204
EAGLE METALCRAFT, INC.	34	1 1.0	LC M	JACK H. HELMER	3550 BURNET AVE. E. SYRACUSE N.Y.	13057	20
EASTWOOD DAIRY, INC.	202	1 1.0	M		ERIE BLVD. EAST DEWITT N.Y.	13052	419
EASY WASH LAUNDRY	7215	0 0.0	M		4463 EAST GENESEE ST. SYRACUSE NEW YORK		455

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EDCO SALES, INC.	35	1	1.0	M		E.M. COTTE	700 EMERSON AVE. SYRACUSE N.Y. 13204	247
EDELSTEIN OPTICAL LABORATORIES, INC.	38	1	1.0	M			209 LARNED BLDG. SYRACUSE N.Y. 13201	291
EDGCOMB STEEL CO.	34	1	1.0	MR		ROBERT OSUCHOWSKY	DEY RD. LIVERPOOL N.Y.	358
EDLAND MFG. CO., INC.	35	1	1.0			ARTHUR N. STORRITT	NORTH MANLIUS STREET FAYETTEVILLE N.Y. 13066	412
EDON WIRE INC.	33	1	1.0			MR. SCOTT	100 BEAVER STREET JURDON NEW YORK 13080	410
ELECTRO-AD SIGN CORP.	7312	1	1.0	M		LAWRENCE PETRUCCI	1433 ERIE BLVD. EAST SYRACUSE N.Y. 13210	301
ELMWOOD INDUSTRIAL CHROMIUM CORP.	347	1	1.0	M		WALLACE WARD	1024-1032 ONONDAGA AVE. SYRACUSE N.Y. 13207	190
EMPIRE BITUMINOUS PRODUCTS, INC.	29	2	3.0	M		RUSSEL MAHLER	2802 LODI ST. SYRACUSE N.Y. 13208	128
EMPIRE DONUT SHOPS	205	1	1.0	M			1233 ERIE BLVD. W. SYRACUSE N.Y. 13204	76
EMPIRE FREEZERS CORPORATION	4222	1	0.5	G4		T. ARMSTRONG	FARRELL ROAD SYRACUSE NEW YORK	473
ERHARD & GILCHER INC.	26	1	1.0	M		MR. McGEE	BOX 324 100 KNAPP ST. LIVERPOOL N.Y. 13088	98
ERTINGER METAL FABRICATORS INC.	34	1	1.0	M		EUGENE R. ERTINGER	616 BURNET AVE. SYRACUSE N.Y. 13203	166
EVANS HEAT TREATING CO-DIV ELMIRA	33	1	1.0	M		H. DAVID CALL	526 STATE FAIR BLVD. SYRACUSE N.Y. 13204	161

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E.L. NITSCH & SONS	35	1	1.0	M	JOSEPH K.NITSCH	1715 GRANT BLVD. SYRACUSE N.Y. 13203	423
FAIRBANKS DAIRIES DIV. COOPERSDALE DA	202	1	1.0	LC M		1870 ERIE BLVD., E. SYRACUSE N.Y. 13210	21
FAIRMOUNT CAR WASH	7542	1	0.5	M	CHARLES WELCH	4029 MILTON AVE. SYRACUSE NEW YORK	464
FALSO INDUSTRIES, INC.	34	1	1.0	LC M	PHILLIP FALSO	BOX 1251 NEW COURT AVE. SYRACUSE N.Y. 13201	22
FINISHINE LABORATORIES, INC.	285	1	1.0	M	ELMORE W. HAGADORN	627 TALLMAN ST. SYRACUSE N.Y. 13204	119
FISHER BODY DIV. GENERAL MOTORS CORP	37	3	4.0	LC M	ROBERT HALL	BOX 1353 (1000 TOWN LINE RD.) SYRACUSE N.Y. 13201	28
FLEX HOSE CO., INC.	34	1	1.0	M	R. EGGERT	116 GAME RD. BOX 94 SYRACUSE N.Y. 13208	382
FRANK J. SPRING & SON	35	1	1.0	M	FRANCIS A. SPRING	207 VANN ST. SYRACUSE N.Y. 13206	240
FRAZER & JONES CO. DIV OF EASTERN CO	332	2	4.0	M	CHARLES PIPERNO	BOX 1155 3000 MILTON AVE (SOLVAY) SYRACUSE N.Y. 13201	152
FREDERICK C. BURROUGHS & SON	347	1	1.0	M		2025 TEALL AVE. SYRACUSE N.Y. 13206	188
FREES & TYO, INC.	38	1	1.0	M	H.J. TYO	1124 E. FAYETTE ST. SYRACUSE N.Y. 13210	292
FREMONT KRAUT CO., THE	203	1	1.0	DR	MAURICE LADD	FACTORY ST. CLAY N.Y. 13041	69
FREY'S PATTERN SHOP	35	1	1.0	M	MR. FREY	305 FACTORY AVE. SYRACUSE N.Y. 13208	420

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COMPANY NAME	SIC CODE	NS P	ST PE	M MM TREAT PLANT CODES	REFERENCE NAME	ADDRESS	CC	
							OO	
G & L DAVIS MEAT CO.	2013	1	1.0	LC M	GARY DAVIS	111 LUTHER AVE. LIVERPOOL N.Y.	D	
G.A. BRAUN, INC.	35	1	2.0	M	JOHN RYBAK	BOX 70 (461 E. BRIGHTON AVE.) SYRACUSE N.Y. 13205	E	348
G.C. HANFORD CO.	283	1	2.0	M	G.R. HANFORD	304 ONEIDA ST. SYRACUSE N.Y. 13202		115
GAEBEL ENTERPRISES, INC.	34	1	1.0	LC M	ARTHUR R. GAEBEL	BOX 276 (100 BALL ST.) E.SYRACUSE N.Y. 13057		25
GARDALL CORP.	34	1	1.0	LC M	J. LAMPMAN	130 FALSO DRIVE SYRACUSE N.Y. 13206		26
GAYLORD BROS. INC.	26	2	2.0	MR	ROBERT W. COLLINS	BOX 61 7272 MORGAN RD. LIVERPOOL N.Y. 13201		99
GENERAL CRUSHED STONE CO.	32	1	1.0		FRANCIS HALCOMB	ROCK CUT RD. & RT. 321 F'VILLE, SKANEATLES NEW YORK 13078		421
GENERAL ELECTRIC COMPANY	36	2	0.5	LC M	EDWARD GLEASON	BOX 1122 ELECTRONICS PARK SYRACUSE NEW YORK 13201		154
GENERAL ELECTRIC CO. (COURT ST.)	36	710.0	LC M		AL WEINER	BOX 1122 COURT ST. PLANT SYRACUSE NEW YORK 13201		27
GENERAL ELECTRIC COMPANY	36	2	0.5	G4	AL WEINER	BOX 1122 FARRELL RD. PLANT SYRACUSE NEW YORK 13201		195
GENERAL HEAT TREATING CORP.	3398	1	1.0	M		206 SAND ST. SYRACUSE N.Y. 13204		160
GENERAL PRESSED METAL CO.	347	1	1.0	M	JAMES E. DWYER	BOX 493 N. GEDDES STREET SYRACUSE N.Y. 13201		312
GENERAL SUPER PLATING CO., INC.	3471	2	3.0	LC M	H.GERHARDT,JR.	5781 BRIDGE ST. E.SYRACUSE N.Y. 13057		29

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GLADING-RANGER, INC.	39	1	2.0	M	TOM BRADY	1224 W. GENESEE ST. SYRACUSE N.Y. 13201	D	
GLOMAC PLASTICS INC.	3079	2	4.0	M	ANDREW SIDOR	432 N. FRANKLIN ST. SYRACUSE N.Y. 13204	E	302
GRAY-SYRACUSE, INC.	33	1	1.0	ML	DONALD BUSS	116 W. SENECA ST. MANLIUS N.Y. 13104	409	
GREENHOUSE BROS., INC.	201	1	1.0	LC M	WILLIAM GREENHOUSE	BURNET AVE. & CLARK ST. E. SYRACUSE N.Y. 13057	44	
GREIF BROS. CORP. INTERNATIONAL DIV.	34	1	2.0	M	F. FABER	BOX 68 WILLIS AVE. SOLVAY N.Y. 13209	326	
GROUNDWATER INDUSTRIES	50	1	1.0	M	GEORGE CIANQUITTI	1111 VINE ST. LIVERPOOL N.Y.	359	
GTE SYLVANIA	732	1	1.0	N		6700 W. GENESEE ST. CAMILLUS N.Y. 13031	435	
H.C. BAINBRIDGE, INC.	39	1	1.0	M		134 SEYMOUR STREET SYRACUSE N.Y. 13202	300	
H.C. YOUNG TOOL & MACHINE, INC.	35	1	1.0	M	MR. YOUNG	BOX 342 EASTWOOD STA 13700 NEW COURT SYRACUSE N.Y. 13206	220	
H.J. RIGGS	34	1	1.0	LC M	HARVEY RIGGS	4018 NEW COURT AVE. SYRACUSE N.Y.	349	
HALL & MCCHESNEY INC.	26	2	3.0	M	H.F. MILLER, JR.	BOX 591 COURT & GENANT DR. SYRACUSE N.Y. 13201	100	
HANCOCK MFG. CORP	35	1	1.0			BOX 310 (1111 DUG RD., TULLY) TULLY N.Y. 13159	272	
HARRISON BAKERY, INC.	205	1	1.0	M	ARTHUR ROTHFELD	1306 W. GENESEE ST. SYRACUSE N.Y. 13204	77	

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HARRIS PATTERN WORKS, INC.	35	1	1.0	MR			MR. HARRIS	8402 OSWEGO ROAD LIVERPOOL N.Y.	236 13088
HENRY KECK INC. STAINED GLASS STUDIO	32	1	2.0	M			MR. WORDEN	1010 W. GENESEE ST. SYRACUSE N.Y.	134 13204
HIGBEE RUBBER CO., INC.	32	1	1.0	M			JAMES F. HIGBEE	BOX 1226 102 HEADSON DR. SYRACUSE N.Y.	141 13201
HOFFMAN INDUSTRIES DIV. CLARKSON IND.	35	1	1.0	LC	M		JOSEPH ELGAWAY	BOX 214 EASTWOOD STA. (THOMPSON RD)	30
HOFMANN SAUSAGE CO.	201	1	1.0	LC	M		MRS. WALTER FLOOK	SYRACUSE NEW YORK	58 13211
HY-GRADE METAL PRODUCTS CORP.	344	1	1.0	M			STEPHEN POLACK	906 BURNET AVE. SYRACUSE N.Y.	314 13203
I-T-E IMPERIAL CORP.	36	1	1.0	LG	M			5858 MOLLOY RD. SYRACUSE N.Y.	379
INDIAN SPRINGS MFG.CO., INC.	35	1	1.0				EDWARD O. PFOHL	BOX 112 (2095 W. GENESEE RD.) BALDWINSVILLE N.Y.	261 13027
INDUSTRIAL FABRICATING CORP.	34	1	1.0	LC	M		JOHN MATHEWS	BOX 190 NO.4 COLLAMER CIRCLE E. SYRACUSE N.Y.	31
INDUSTRIAL PATTERN WORKS	35	1	1.0	M			GEORGE M. RANDLE	6729 PICKARD DR. SYRACUSE N.Y.	237 13211
INFICON	36	1	1.0	M				S. ADLER DR. E. SYRACUSE N.Y.	384 13057
INLAND CHEMICAL CORP.	0	0	0.0	0	M		HUGH BRINKLEY		23
INSTANT WHIP CO. INC.	202	1	1.0	LC	M		ROBERT COLLIGRON	3721 NEW COURT RD. SYRACUSE N.Y.	65 13206

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						OO D E
INTERNATIONAL MILLING CO.	204	1 1.0 B			BOX 109 81 E. GENESEE ST. BALDWINSVILLE N.Y. 13027	73
INTERSTATE BAKERIES CORP. MILLBROOK	205	2 4.0 M		ANTHONY G. FREDELLA	BOX 1379 105 SPENCER ST. SYRACUSE N.Y. 13201	80
INTERSTATE INDUSTRIAL LAUNDRY	7219	1 1.0 LC M		TOM SCAVARA	111 7TH NORTH ST. LIVERPOOL N.Y.	355
J.E. MILLER, INC.	36	1 1.0 M		JAMES E. MILLER	1219-1221 E. FAYETTE ST. SYRACUSE N.Y. 13210	279
J.F. FRIEDEL PAPER BOX CO.(*)	26	1 1.0 LC M		PETER G. FRIEDEL	304-318 W. SECOND ST. E. SYRACUSE N.Y. 13057	24
J.R. CLANCY INC.	34	1 1.0 M		GEORGE SCHERER, JR.	1000-1020 W. BELDEN AVE. SYRACUSE N.Y. 13204	323
JAC'S HORSERADISH PRODUCTS	203	L 1.0 M		WAYNE VENTON	112 WYOMING ST. SYRACUSE N.Y. 13204	70
JARDINE BRONZE & ALUM. FOUNDRY INC.	336	2 2.0 B		C.H. MEISTER	BOX 129 80 E. GENESEE ST. BALDWINSVILLE N.Y. 13027	155
JEANS FOODS INC.	209	1 1.0 M		J.RICHARDS CHILDS	1128 E. WASHINGTON ST. SYRACUSE N.Y. 13210	89
JOHN MORRELL & CO.	201	0 0.0 M			528 ERIE BLVD.W. SYRACUSE N.Y.	451
JOHN&KATHERINE WALL	7542	1 0.5 M		J.E.K. WALL	322CRESTWOOD DR.(TEALL AVE CARWASH CAMILLUS NEW YORK 13031	466
JOSEPH CASHIER & CO. INC.	34	1 2.0 M		DONALD LOMBARDI	6268 E. MOLLOY ROAD MATTYDALE NEW YORK 13210	164
JPH FABRICATOR	34	1 1.0 M			625 W. HIAWATHA BLVD. SYRACUSE N.Y.	373

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KELLER & WEBER MEAT CO., INC.	201	1 1.0	M			816 DANFORTH ST. SYRACUSE N.Y.	E
KILIAN MFG. CORP.	35	1 1.0	M		P. BENERE	BOX 1220 1728 BURNET AVE. SYRACUSE N.Y. 13201	33
KING LABORATORIES, INC.	36	1 2.0	M		F.P. SCOTT	127 SOLAR STREET SYRACUSE N.Y. 13204	273
KLIK TOOL CORP.	35	1 1.0	M		FRAZIER MONTANYE	117 WYOMING ST. SYRACUSE N.Y. 13204	208
KNISE & KRICK, INC.	35	1 1.0	M		J.R. EXTRON	324 PEARL STREET SYRACUSE N.Y. 13203	310
KNODEL WHOLESALE MEATS, INC.	2013	1 1.0	M		LEO GROSSO	824 N. STATE ST. SYRACUSE N.Y.	339
KRAFT CO. CORP. SEALTEST FOODS DIV.	202	2 4.0	M		BRUCE PERKINS	BOX 986 120 WILKINSON ST. SYRACUSE N.Y. 13201	67
L.A.B. CO.	38	1 1.0			GILBERT HILL	DRAWER G (E.ONONDAGA STSKANEATELES) SKANEATELES N.Y. 13152	414
LA GONDOLA FOOD, INC.	203	1 1.0	LC	M	LEONARD LUDOVICO	E.HAMPTON PL. & N.EDWARDS AVE. SYRACUSE N.Y. 13206	71
LA TOURAIN COFFEE CO.	2095	1 1.0	M		SUMNER FERNALD	913 ERIE BLVD. EAST SYRACUSE N.Y. 13210	90
LDV ELECTRO SCIENCE INDUSTRIES, INC.	36	1 2.0	M		TONY CATANIA	300 SOUTH GEDDES ST. SYRACUSE N.Y. 13204	274
LEARBURY CLOTHES	231	0 0.0	M			N.SALINA ST. & LAUREL ST. SYRACUSE N.Y.	449
LEHMAN & GRAF, INC.	35	1 1.0	M		F.W. GRAF	900 N. STATE ST. SYRACUSE N.Y. 13205	262

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COMPANY NAME	NS CODE	ST P	M PE	MM TREAT PLANT CODES	REFERENCE NAME	ADDRESS	CC OO D E
LEIGH SYSTEMS INC.	36	1	2.0	LC M	ROBERT VAGO	220 BOSS RD. SYRACUSE N.Y. 13211	275
LEMOYNE MACHINE PRODUCTS CORP.	35	1	1.0	M	L. GRANDINETTI	106 EVELYN TERRACE SYRACUSE N.Y. 13201	209
LIBERTY COMBUSTION CORP.	34	1	1.0	LC M		BOX 300 (MOORE RD. INDUSTRIAL PARK SYRACUSE N.Y. 13201	36
LIPE-ROLLWAY CORP.	37	2	4.0	M	ANTHONY F. SHERMAN	806 EMERSON AVE. SYRACUSE N.Y. 13204	284
LIS BROTHERS	347	1	1.0	LC M		BOX 156 (ELECTRONICS PARKWAY, LIV.) LIVERPOOL N.Y. 13088	411
LHM INDUSTRIES	35	1	1.0		MR. WICKS	SKANEATELES SKANEATLES NEW YORK 13152	386
M.R. GARY CORP.	209	1	1.0	M	FRANCIS D. CAREY	BOX 818 219 WASHINGTON SQ. SYRACUSE N.Y. 13201	87
MAC-LAW TOOL & AIRCRAFT PARTS, CORP.	35	1	1.0	LC M	C.W. FRYE	BOX 961 (1860 ERIE BLVD.E.) SYRACUSE N.Y. 13201	311
MACK MILLER CANDLE CO., INC.	39	1	2.0	M	E.G. VERTIGAN	1701 N. SALINA ST. SYRACUSE N.Y. 13208	297
MAGNAVOX CATV DIVISION	36	2	3.0	ML	J. MAZZALINGUA	100 FAIRGROUNDS DRIVE MANLIUS NEW YORK 13204	270
MAGNAVOX CATV-DIV OF MAGNAVOX	34	2	3.0	ML	J. MAZZALINGUA	133 W. SENECA ST. MANLIUS N.Y. 13104	182
MAPLE GROVE FARMS	201	1	1.0	M		WINCHELL RD. WARNERS N.Y. 13164	59
MARA LAUNDRY CENTER	7215	0	0.0	LC M		600 W. MANLIUS ST. EAST SYRACUSE NEW YORK 13057	456

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COMPANY NAME	SIC CODE	NS OA P	ST AI PE	MM TREAT PLANT CODES	REFERENCE NAME	ADDRESS	CC OO D E
MARBLE FARMS DAIRY INC., THE	202	1	2.0	M	J.W. MARBLE	BOX 952 1122 GRAND AVE. SYRACUSE N.Y. 13201	66
MARINO'S ITALIAN STYLE SAUSAGE CO.	2013	1	1.0	M	MR. FARNETT	1814 BUTTERNUT ST. SYRACUSE N.Y.	340
MARK'S MACHINE & TOOL CORP.	35	1	2.0	M	DONALD ETMANSKI	BOX 1396 (102 S. WAVEL ST.) SYRACUSE N.Y. 13201	210
MARSELLUS CASKET COMPANY, INC.	39	2	3.0	M	J.F. MARSELLUS	BOX 1218 (101 RICHMOND AVE.) SYRACUSE N.Y. 13201	303
MASTECH, INC.	36	1	1.0	M		BOX 178 (E. MOLLOY RD.) SYRACUSE N.Y. 13211	276
MASTERPOLE'S BAKERY	205	1	1.0	M	MRS. RUSSO	417 E. DIVISION ST. SYRACUSE N.Y. 13208	78
HATLACK CORPORATION	423	1	0.5	M	C. BERTRAND	440 WEST KIRKPATRICK ST. SYRACUSE NEW YORK	475
MA TUTTLE'S HOME MADE PIES, INC.	205	1	1.0	M		519 S. WILBUR AVE. SYRACUSE N.Y. 13204	79
HCAULIFFE PAPER INC.	26	1	1.0	M	MR. FILES	1926 PARK STREET SYRACUSE N.Y. 13208	407
MCINTYRE BORS. PAPER CO., INC.	26	2	2.0	ML	MR. MCINTYRE	131 S. MILL ST. FAYETTEVILLE NY 13066	397
MCMILLAN BOOK CO., INC.	26	1	2.0	MR	DONALD F. MARSH	BOX 1278 128 SPENCER ST. SYRACUS N.Y. 13201	101
MEAD CONTAINERS DIV OF THE MEAD CORP	26	1	2.0	M	ROBERT D. BROWN	500 HINSDALE RD. CAMILLUS N.Y. 13031	102
METER & RANZ	2013	1	1.0	LC	RICHARD MEIR	1000 WOLF ST. SYRACUSE N.Y. 13208	60

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COMPANY NAME	NS CODE	ST P	M PE	MM CODES	TREAT PLANT REFERENCE NAME	ADDRESS	CC D E
KELON FOUNDRIES INC.	336	1	1.0	LC M	LOUIS TANNETTONI	BOX 1182 1841 LEMOYNE AVE. SYRACUSE N.Y. 13201	156
MERCER MILLING CO.	204	1	1.0			4 SYRACUSE ST. BALDWINSVILLE N.Y. 13207	402
METAL FINISHING SUPPLY INC.	3479	1	1.0	LC M	EDGAR J. HOLLISTER	BOX 37 320 W. SECOND ST. E.SYRACUSE N.Y. 13057	37
METAL GOODS DIV OF ALCAN ALUMINUM	34	1	1.0	LC M	ROBERT HORTON	DEERE & TARBELL RDS. SYRACUSE N.Y.	363
MICROWAVE FILTER COMPANY, INC.	36	1	1.0	M		135 W. MANLIUS ST. E. SYRACUSE N.Y. 13057	277
MICROWAVE SYSTEMS, INC.	36	1	2.0	LC M		1 ADLER DRIVE E.SYRACUSE N.Y. 13057	278
MIDSTATE PRINTING CORP.	26	1	1.0	M	ROLAND BRIARS	230 AINSLEY DR. SYRACUSE N.Y. 13205	347
MILLER ELECTROPLATING & ANODIZING CO	347	1	1.0	M	C.J. HOPKINS	1620 BURNET AVE. SYRACUSE N.Y. 13206	315
MISENER MFG. CO., INC.	35	1	2.0	M	GORDON SPOOR	202-208 WALTON ST. SYRACUSE N.Y. 13202	196
MOREY'S MILL	209	1	1.0			HOWARD K. MOREY SYRACUSE N.Y. 13219	91
MORRIS CENTRIFUGAL PUMPS	35	2	3.0	B	ARTHUR LICOURT	E. GENESEE STREET BALDWINSVILLE N.Y. 13027	227
MORSE MFG. CO., INC.	35	1	1.0	LC M	RALPH ANDREWS	727 W. MANLIUS ST. EAST SYRACUSE N.Y. 13057	192
MUENCH-KREUZER CANDLE CO., INC.	39	2	4.0	M	BOB MATHEWS	BOX 1299(BEAR & SOLAR STS.) SYRACUSE N.Y. 13201	298

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COMPANY NAME	SIC CODE	NS P	ST MM	TREAT. PLANT	REFERENCE NAME	ADDRESS	CC
							OO
MULROY DAIRY FARM	202	0	1.0	11	EDWARD MULROY	23W. MAIN ST. MARCELLUS N.Y.	D
NATIONAL PLATING CO., INC.	3471	2	2.0	LC M	C. LEROY	1501 BREWERTON RD. SYRACUSE N.Y.	E
NELLIS B. BRONNER CO.	36	1	1.0	M		420 E. GENESEE ST. SYRACUSE N.Y.	400
NEW BRIGHTON BAKERY	205	1	1.0	M		335 E. BRIGHTON AVE. SYRACUSE N.Y.	38
NEW PROCESS GEAR DIV. CHRYSLER CORP.	37	2	3.0	LC M	JOE OSTER	6600 CHRYSLER DR. E. SYRACUSE N.Y.	378
NEW YORK BAKERY	205	1	1.0	M		1207 BURNET AVE. SYRACUSE N.Y.	81
NIAGARA MOHAWK POWER CORP.	36	1	1.0	MR	J.M. TRACY	7TH NORTH ST. LIVERPOOL N.Y.	13201
NIGHTINGALE MILLS, INC.	2048	1	1.0		J.G. NIGHTINGALE	SOUTH ST. R.F.D. MARCELLUS N.Y.	357
NIXON GEAR & MACHINE CO., INC.	35	2	3.0	11	GEORGE SHATTERLY	BOX 8 ONONDAGA BR. (4601 NIXON PKDR	422
NORTHEAST OIL CO.	29	1	1.0	M		SYRACUSE N.Y.	228
NORTHERN LIGHTS RING	7542	1	0.5	LC M	WILLIAM PORTER	C/O WILLIAM PORTER EMPIRE BLDG.	335
O.H. EDWARDS CO., INC.	34	2	3.0	M	DAVE REMICK	501 PLUM ST. SYRACUSE N.Y.	467
OBERDORFER FOUNDRIES, INC.	336	1	2.0	LC M	ROBERT WOLF	BOX 1125 SYRACUSE N.Y.	325
						13201	39

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COMPANY NAME	SIC CODE	NS P M MM TREAT PLANT CODES	REFERENCE NAME	ADDRESS	CC
					OO
ONEIDA CRAFT MFG. CO.	34	1 1.0	MR. TOWNSEND	R.D. 1 ONTARIO AVE. CLAY N.Y. 13041	D E 169
ONEONTA DRIED BEEF	201	1 1.0 LC M		101 LEO AVE. SYRACUSE N.Y.	341
ONONDAGA LIGHTWEIGHT AGGREGATE CORP.	32	1 2.0	WILLIAM PRITCHETT	PECK RD. WARNERS N.Y. 13164	143
ONONDAGA MACHINE CO., INC.	35	1 1.0 M		BOX 5 (2013 TEALL AVE.) SYRACUSE N.Y. 13208	264
ONONDAGA OPTICAL CO., INC.	38	1 1.0 M		2950 ERIE BOULEVARD, EAST SYRACUSE N.Y. 13224	293
ONONDAGA READY MIX DIV OF ELMIRA TRN	32	1 2.0 M	MR. BULLOCK	429 SPENCER ST. SYRACUSE N.Y. 13204	144
ONONDAGA TOOL CORP.	35	1 1.0 LC M	EDWARD DORING	BOX 37 S. MILL STREET FAYETTEVILLE N.Y. 13066	212
ONTARIO PRODUCTS CORP.	34	1 1.0 MR		BOX 1255 7645 7TH NORTH RD. LIVERPOOL N.Y. 13201	170
PACKAGING CORP. OF AMERICA	26	1 2.0 MR	EUGENE ROLLERI	BOX P MORGAN RD. & STEELWAY BLVD. 103 LIVERPOOL N.Y. 13088	103
PALIOTTA IRON WORKS INC.	34	1 1.0 M	VINCENT PALIOTTA	228 BRIDGE ST. E. SYRACUSE N.Y. 13057	171
PARAGON SUPPLY INC.	32	1 1.0 M	PARAGON SUPPLY	BOX 1079 1300 W. FAYETTE ST. 145 SYRACUSE N.Y. 13201	
PASS & SEYMOUR, INC.	36	3 5.0 M	JOHN MADDEN	50 BOYD AVENUE SULVAY N.Y. 13209	280
PATELL INDUSTRIAL WORKS	35	1 1.0 M	THOMAS PATELL	139 BALL CIRCLE SYRACUSE N.Y. 13210	207

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COMPANY NAME	NS CODE	ST P	M PE	MM TREAT PLANT CODES	REFERENCE NAME	ADDRESS	CC OO D E
PATTERN MAKERS, INC.	35	1	1.0	M	KEN FOWLER	BOX 1152 (THOMPSON RD.) SYRACUSE N.Y. 13201	238
PAUL DELIMA CO., INC.	2095	1	1.0	LC M	DAVID DELIMA	BOX 8 EASTWOOD STA. 5918 E. MOLLOY E. SYRACUSE N.Y. 13206	19
PENNY CURTISS BAKING CO., INC.	205	1	1.0	LC M		1810 LEMOYNE AVE. SYRACUSE N.Y. 13211	40
PEPSI-COLA SYRACUSE BOTTLERS, INC.	208	1	2.0	LC M	LAWRENCE LEEBY	BOX 189 TARBELL RD. E. SYRACUSE N.Y. 13057	41
PHOENIX GAGE INC.	35	2	3.0		PAUL A. SCUSA	821 RIVER ST. PHOENIX N.Y. 13135	425
PILGRIM PACKING CO., INC.	201	1	1.0	LC M	WILLIAM GREENHOUSE	BURNET AVE. & CLARK ST. E. SYRACUSE N.Y. 13057	45
PLAZA LAUNDROMAT	7215	1	0.0	M		500 BUTTERNUT SYRACUSE NEW YORK	460
PRATT PRINTING CO., INC.	26	1	1.0	LC M	S. PRATT	222 W. WASHINGTON ST. SYRACUSE N.Y. 13202	104
PRECISION CASTINGS CO. ALLIED PRODS	336	3	4.0	ML	ANTHONY GAUDIO	547 E. GENESEE ST. FAYETTEVILLE N.Y. 13066	157
PRECISION MACHINE PRODUCTS CO.	35	1	1.0		JOHN McLATCHIE	1211 NOTTINGHAM RDA JAMESVILLE N.Y. 13078	213
PRECISION WELDING	33	1	1.0	LC M		6309 COURT ST. RD. SYRACUSE N.Y.	375
PRECISIONEERING CO.	34	1	1.0	M	CHARLES GIBBONS	526 PLUM ST. BOX 464 SYRACUSE N.Y. 13201	385
PRESTOLITE COMPANY DIV. OF ELTRA CORP	36	2	2.0	LC M	WILLIAM DEAN	219 LAMSON ST. SYRACUSE N.Y. 13206	42

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COMPANY NAME	SIC CODE	NS P M	ST MM TREAT PLANT	REFERENCE NAME	ADDRESS	CC
						OO
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PRINCE TOOL & DIE LABORATORY, INC.	35	1 1.0	M	JOHN PRINCE	108 LUTHER AVE. LIVERPOOL N.Y. 13088	214
PRODUCTION TOOL MFG. CORP.	35	1 1.0		MRS. HERMAN BIELING	29 LINCOLN ST. TULLY N.Y. 13159	427
R.E M SHEET METAL CO.	344	1 1.0	M	R.FONTAINE	110 EAST FIRST ST EAST SYRACUSE N.Y. 13057	442
R.E. DIETZ CO.	36	3 5.0	M	JACK DwyER	BOX 1214 221 WILKINSON & 100 WOLF STS. SYRACUSE N.Y. 13201	271
RALPH PACKING CO., INC.	201	2 2.0	LC	WM. GREENHOUSE	BURNET AVE. & CLARK ST. E. SYRACUSE N.Y. 13057	43
RAULLI & SONS, INC.	34	1 1.0	M	GUIDO RAULLI	660 BURNET AVE. SYRACUSE N.Y. 13203	396
REINHARDT MACHINE PRODUCTS	35	1 1.0		MR. REINHARDT	114 ELTON AVENUE SYRACUSE N.Y. 13205	215
REPUBLIC CONTROLS CORP.	38	1 1.0	M		BOX 1284 MOORE RD., INDUSTRIAL PK	294
RICHARDS OF COURSE , INC.	7312	1 1.0	M	JOHN M. RICHARDS	745 W. GENESEE ST. SYRACUSE N.Y. 13204	304
ROCKWELL INTERNATIONAL	35	2 3.0	M	BOB McMAHON	700 MARCELLUS ST. SYRACUSE N.Y. 13201	197
ROLLWAY BEARING CO., INC.	35	2 3.0	HR	STAN KRAWCZYK	BOX 1397 (7600 MORGAN RD. LIVER.)	229
ROMA BAKING CO.	205	1 1.0	M	PAUL J. MIGNACCA	1611 LODI ST. SYRACUSE N.Y. 13208	428
ROSS BAKERY	205	1 2.0	M	ANTHONY F. ROSS	1247 S. STATE ST. SYRACUSE N.Y. 13202	83

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COMPANY NAME	SIC CODE	NS DA P	ST MM	TREAT PLANT CODES	REFERENCE NAME	ADDRESS	CC OO D E
							265
ROSS METAL PRODUCTS CO.	35	1 1.0	M	MR. CLARKE	420 ONEIDA STREET SYRACUSE N.Y. 13202		
ROTH BROS. METAL CO., INC.	336	2 2.0	LC M		BOX 158 (THOMPSON RD.) E.SYRACUSE N.Y. 13057		47
RUSH WIRE STRIPPER DIV.	35	1 2.0			BOX 1342 (OLIVA DR.) SYRACUSE N.Y. 13201		230
S.J. GROVES & SONS CO.	34	1 1.0		P.J. GEBHARDT	WETZEL RD. LIVERPOOL N.Y.		360
S. CHENEY AND SON	34	1 1.0	ML		MANLIUS N.Y. 13104		257
SALINA PLATING CO.	347	1 1.0			115 FAY RD. NORTH SYRACUSE N.Y. 13212		429
SANFORD FIRE APPARATUS CORP.	37	1 2.0	11	SAMUEL C. SANFORD	BOX 206 (MANLIUS CENTER RD.) E. SYRACUSE N.Y. 13057		285
SANITARY PROCESSING EQUIPMENT CORP	35	1 1.0	M	ROBERT H. FELDMAYER	BOX 26 (BUTTERNUT DR.) DEWITT N.Y. 13214		222
SAWYER INDUSTRIES, INC.	35	1 1.0	M	FRANKLIN J. SAWYER	BOX248 EASTWOOD STA(4001NEW COURT) SYRACUSE N.Y. 13206		231
SCHROEDER MACHINES CORP.	35	0 0.0	LC	MR. DUSSE	BOS 1123 (NEW COURT AVE.) SYRACUSE N.Y. 13201		232
SCIENTIFIC TOOL & ENGINEERING CO.	34	1 1.0	LC	RICK COLVIN	116 LUTHER AVE. LIVERPOOL N.Y. 13088		329
SEITZ OIL PRODUCTS REFINING CORP.	29	1 2.0	M		2802 LODI ST. SYRACUSE N.Y. 13208		129
SEL-REX CO.	347	0 0.0	M		2105 W. GENESSEE ST. SYRACUSE N.Y.		452

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COMPANY NAME	SIC CODE	NS P M	ST PE MM	TREAT. PLANT	REFERENCE NAME	ADDRESS	CC OO D E
SELFLOCK SCREW PRODUCTS CO., INC.	34	1	1.0	LC M	R. STEPHENS	MARCY ST. E. SYRACUSE N.Y. 13057	48
SERVE YOURSELF CAR WASH	7542	1	0.5	M	RAY BIELEC, JR.	412 STATE FAIR BLVD. SYRACUSE NEW YORK	462
SERVICE MACHINE CORP. OF SYRACUSE	35	1	2.0	M	DANIEL P. WART	734 BURNET AVE. SYRACUSE N.Y. 13203	233
SEVEN-UP BOTTLING CO OF SYRACUSE INC	208	1	1.0	M	JOHN HANYAK, JR.	1115 W. GENESEE ST. SYRACUSE N.Y. 13202	85
SHANAHAN TOOL & DIE CORP.	35	1	1.0	LC M	H.B. SHANAHAN	115 LEO AVE. SYRACUSE N.Y. 13206	216
SHOP CITY LAUNDROMAT	7215	0	0.0	LC M		GRANT BLVD. & TEALL AVE. SYRACUSE NEW YORK	457
SHORGOOD POULTRY DISTRIBUTORS	251	0	0.0	LC M		106 LUTHER AVE. SYRACUSE N.Y.	374
SIEFEN COMPOUNDS, INC.	2854	1	1.0	LC M		215 GENANT DR. SYRACUSE N.Y. 13204	49
SILVER BROOK FARMS, INC.	202	1	1.0	11	GEORGE BRIGATI	103 BENNETT RD. CAMILLUS N.Y. 13031	430
SIMS CASTINGS CORP.	336	1	1.0	LC M	GEORGE HILGENBERG	2174 ERIE BLVD., E. SYRACUSE N.Y. 13224	50
SIMS MATCHPLATE CORP.	35	1	1.0	LC M	GEORGE HILGENBERG	2176 ERIE BLVD. E. SYRACUSE N.Y. 13224	239
SIT IN CAR WASH, INC.	7542	1	0.5	M		340 WEST ONONDAGA ST. SYRACUSE NEW YORK	463
SKAN-A-MATIC CORP.	36	1	1.0			2 FENEL ST. SKANEATELES N.Y. 13152	387

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COMPANY NAME	SIC CODE	NS P	ST PE	M MM TREAT PLANT CODES	REFERENCE NAME	ADDRESS	305
SKANEATELES HANDICRAFTERS, INC.	249	1	1.0		ROBERT JORDON	SKANEATELES N.Y. 13152	
SMITH LAUNDRY&DRY CLEANING, INC.	721	1	0.0	LC		3650 JAMES ST. SYRACUSE NEW YORK	461
SMITH & CAFFREY STEEL CORP.	34	2	3.0	MR		STEELWAY BLVD. LIVERPOOL N.Y. 13088	172
SNO-BIRD ICE CREAM CO.	202	1	1.0	LC M	PAUL DAME	CLINTON ST. E. SYRACUSE N.Y. 13057	351
SOUTH SIDE DAIRY CORP.(BLUE RIBBON)	202	1	1.0	M		533 SOUTH AVE. SYRACUSE N.Y. 13204	431
SPAR-KLEEN PRODUCTS,INC.	28	1	1.0		MRS. SWEET	P.O.BOX2 (FENNEL ST.) SKANEATELES N.Y. 13152	432
SPAULDING METALS CO.,INC.	3479	1	1.0	LC M	DANIEL SPAULDING	BOX 171 (109 BAKER ST.) SYRACUSE N.Y. 13206	51
SPENO,FRANK,RR BALLAST CLEANING CO.	35	2	3.0	II	BILL REAGAN	BOX 219 (CLARK ST.) EAST SYRACUSE N.Y. 13057	223
STANTON FOUNDRY, INC.	332	2	3.0	M	STAN SITNIK	BOX 932 3004 MILTON AVE. SOLVAY	393
STATE METAL AWNING INC.	34	1	1.0	M	HAROLD LIEBERMAN	SYRACUSE N.Y. 13201	173
STAUFFER CHEM. CO. COWLES CHEM. DIV.	281	2	4.0		MR. BRADLEY	131 SHONNARD ST. SYRACUSE N.Y. 13204	113
STICKLEY MFG. CO.,INC.	25	1	1.0	M	MRS. STICKLEY	SKANEATELES FALLS SKANEATELES FALLS N.Y. 13153	434
STONE BROS. PATTERN CO.	249	1	1.0	M	SAYLES E. STONE	300 ORCHARD ST. FAYETTEVILLE NEW YORK 13206	241
						400 WEST TAYLOR ST. SYRACUSE N.Y. 13202	

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COMPANY NAME	SIC CODE	M P	MM PE	TREAT PLANT CODES	REFERENCE NAME	ADDRESS	CC
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STONE MACHINERY COMPANY	35	2	3.0	ML	A.R. STONE	316 FAYETTE ST. MANLIUS N.Y. 13104	199
STORMS PLATING INC.	347	1	1.0	M	WILLIAM STORMS	1129 N. STATE ST. SYRACUSE N.Y. 13208	316
STRATHMORE PRODUCTS INC.	285	1	2.0	M	MARTIN GREGG	BOX 151 1970 W. FAYETTE ST. SYRACUSE N.Y. 13201	121
SUNDURE PAINT CORP.	285	1	1.0	M	HARRY SUSKING	623 W. FAYETTE ST. SYRACUSE N.Y. 13202	122
SUNSTRAND-ENGELBERG, INC.	35	1	2.0	M	R.L. SCHALLER	BOX 1059 (7TH NORTH & VINE ST.) LIVERPOOL N.Y. 13201	224
SUPER HEAT TREATING, INC.	339	1	1.0	LC M	ALBERT G. LINTEL, JR	BOX 174 EASTWOOD STA (36051/2 JAMES) SYRACUSE N.Y. 13206	52
SWENTON TOOL & DIE CO. INC.	35	1	1.0	LC M	EDWARD J. SWENTON	BOX 124 (COURT-COLLAMER RD.) EAST SYRACUSE N.Y. 13206	217
SYR. CONCRETE PIPE & PRODUCTS CORP.	32	2	3.0	M	ROBERT C. BUTTNER	BOX 85 EASTWOOD STA BURNET & CLARK E. SYRACUSE N.Y. 13206	148
SYR. PAINT & VARNISH DIV. MIDSTATE	285	1	1.0	M		339 PEAT ST. SYRACUSE N.Y. 13210	123
SYRACUSE CASTING CORP.	332	1	1.0	M	STEVE HOOTS	420 MARCELLUS ST. SYRACUSE N.Y. 13204	394
SYRACUSE CHINA CORP.	32	1	1.0	LC M	H.E. KELLY	2900 COURT STREET SYRACUSE NEW YORK 13208	56
SYRACUSE COCA-COLA BOTTLING CO.	2086	2	3.0	G4	GEORGE SCHWAB	JOHN GLENN HWAY & FARRELL RD. SYRACUSE N.Y. 13201	86
SYRACUSE CORRUGATED BOX CORP.	26	1	1.0	LC M	MR. SKELTON	302 STOUTENDER E. SYRACUSE N.Y. 13057	371

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COMPANY NAME	SIC CODE	NS P	ST AI	MM TREAT PLANT CODES	REFERENCE NAME	ADDRESS	CC
							D E
SYRACUSE DIE CASTINGS & MFG. CO.	336	1	1.0	LC M	ADAM MCCLUSKY	2101 TEALL AVE. SYRACUSE N.Y. 13206	53
SYRACUSE ELECTROTYPE CORP.	27	1	1.0	M	JACK C.NIMS	148 GIFFORD ST. SYRACUSE N.Y. 13202	436
SYRACUSE ENGINEERING CO., INC.	34	1	1.0	M		213 TEALL AVE. SYRACUSE N.Y. 13210	174
SYRACUSE GAUGE CO., INC.	37	1	1.0	M	R.F. EDWARDS	BOX 203 (1001 E. HIAWATHA BLVD.) SYRACUSE N.Y. 13206	286
SYRACUSE HEAT TREATING CORP.	339	1	2.0	G4	FRANK M. TIETGE	1223 BURNET AVE. SYRACUSE N.Y. 13203	162
SYRACUSE JEWELRY MFG. CO.	39	1	1.0	M	HENRY KUTZ	900-908 UNIVERSITY BLDG. SYRACUSE N.Y. 13202	306
SYRACUSE METAL MECHANICS	35	1	2.0	11	RENZO MULARI	6940 FLY ROAD EAST SYRACUSE N.Y. 13057	218
SYRACUSE MIDSTATE SPRING INC.	34	1	1.0	M	MR. BERNET	3530 ERIE BLVD. E. DEWITT N.Y. 13214	330
SYRACUSE OLD FASHIONED BEVERAGES, INC	208	1	1.0	LC M	L. BRAVERMAN	2001 LEMOYNE AVE. SYRACUSE N.Y. 13211	46
SYRACUSE PAINT & VARNISH WKS.	285	1	1.0		ALFRED E. SHORE	HOWLETT HILL RD. SYRACUSE N.Y. 13215	438
SYRACUSE PHARMACAL CO., INC.	283	1	1.0		C.L.HOVER	FALSO DRIVE SYRACUSE N.Y. 13206	437
SYRACUSE PLASTICS INC.	3079	1	2.0	ML	JOSEPH P. FALCONE	CHAPEL & CLINTON STS. FAYETTEVILLE N.Y. 13066	131
SYRACUSE POTTERY INC.	32	L	1.0		GORDON BRITCHER	BOX 925 POTTERY RD. WARNERS N.Y. 13201	135

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								E
SYRACUSE READY MIX CONCRETE CO., INC.	32	1	1.0	LC	M	WILLIAM GESSLER	CLARK ST. & BURNET AVE. E.SYRACUSE N.Y. 13057	54
SYRACUSE SAFETY SERVICE INC.	23	1	1.0	M		ARTHUR R. JAYNES	1108 SPRING ST. SYRACUSE N.Y. 13208	92
SYRACUSE STAIR & IRON WORKS INC.	34	1	1.0	M			717-721 BURNET AVE. SYRACUSE N.Y. 13203	175
SYRACUSE STAMPING CO., INC.	347	2	3.0	M		C.J. CUCKHUFF	1054 S. CLINTON ST. SYRACUSE N.Y. 13202	317
SYRACUSE TANK & MFG. CO., INC.	34	1	2.0	M		SCOTT STEELE	723 HIAWATHA BLVD. SYRACUSE N.Y. 13204	176
SYRACUSE TOYCRAFT CO.	39	1	1.0	M		A. LOMBARDI	810 E. WATER ST. SYRACUSE N.Y. 13210	307
SYRACUSE WIRE & FENCE WORKS, INC.	34	1	1.0	M		MRS. ERMINA MARTIN	809 BUTTERNUT ST. SYRACUSE N.Y. 13208	331
SYROCO DIV. DART INDUSTRIES INC.	39	2	3.0	B		HENRY KOTAS	STATE FAIR BLVD. BALDWINSVILLE N.Y. 13201	398
TARSON CHEMICAL CO.	250	1	1.0	M		F.H. TARSON	650 BURNET AVE. SYRACUSE N.Y. 13203	124
TECHNICAL FABRICATORS, INC.	34	1	1.0	M		MR. KLINGBEIL	441 N. FRANKLIN ST. SYRACUSE N.Y. 13204	332
TERREL'S POTATO CHIP CO., INC.	209	1	1.0	LC	M	JAMES E. TERREL	BOX 151 MIDLER PARK DRIVE DEWITT NEW YORK 13214	15
TEXMARK INC.	35	2	3.0	M		D. METZGAR	2204 ERIE BLVD.E. SYRACUSE N.Y. 13224	445
THE BROWN CORP.	37	2	3.0	M		HENRY W. BROWN	BOX 1374 (213 BELLEVUE AVE.) SYRACUSE N.Y. 13201	283

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COMPANY NAME	SIC CODE	NS P M	ST AI MM TREAT PLANT CODES	REFERENCE NAME	ADDRESS	CC
						00
THE MARTISCO PAPER CO., INC.	26	1	1.0	HOWARD SPENCER	RT. 174 MARCELLUS FALLS N.Y. 13108	406
THELEN IRON WORKS, INC.	34	1	1.0 M	CHARLES CASTLEMEN	BOX 1124 920 CANAL ST. SYRACUSE N.Y. 13201	333
THERMOLD CORP.	3079	1	2.0 ML	EDWARD ETHRIDGE, JR	FAIRGROUND RD. MANLIUS N.Y. 13104	132
THOMAS A. COLUCCI PRINTING COMPANY	26	0	0.0 LC M	THOMAS COLUCCI JR.	KANE ST. AT BURNETT AVE. EAST SYRACUSE NEW YORK 13057	12
THOMPSON & JOHNSON EQUIPMENT CO.	37	0	0.0 11	WILLIAM MANTZ	BOX 193 (6926 FLY RD.) EAST SYRACUSE NEW YORK 13057	388
THOR METAL PRODUCTS CO., INC.	34	1	1.0 LC M	RAY FALSO	BOX 218 E. MOLLOY RD. SYRACUSE N.Y. 13206	177
THREE HOUR LAUNDRY&DRY CLEANING, INC.	721	0	0.0 M		244 ERIE BLVD. EAST SYRACUSE NEW YORK	454
TOC'S PRODUCTS INC.	250	1	1.0 M		BOX 1035 959 EMERSON AVE. SYRACUSE N.Y. 13201	125
TOMPKINS BRUS.CO., INC.	35	1	2.0 M	A. GENTILE	623 ONEIDA ST. SYRACUSE N.Y. 13202	225
TONY NUZZO & SONS INC.	32	1	1.0 M	LOUIS NUZZO	418 E. BRIGHTON AVE. SYRACUSE N.Y. 13210	142
TRANS BEARING CORP.	35	1	1.0 LC M		3737 NEW COURT RD. SYRACUSE N.Y.	365
TRIDENT PRINTING	27	1	1.0 M	GIDEON E. BROWN	2201 TEALL AVE. SYRACUSE NEW YORK 13208	319
TRU-ART DISPLAY	39	1	1.0 M		531 LEMOYNE AVE. SYRACUSE N.Y. 13208	308

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COMPANY NAME	SIC CODE	NS P	ST M	TREAT PLANT MM	REFERENCE NAME	ADDRESS	CC
							OO
TRU-TILE INC.	32	1	2.0		MR. EVANS	MILL RD. RD 2 SKANEATELES N.Y. 13152	D
U-DO-IT CAR WASH	7542	1	0.5 M		JOHN WALL	214 OSWEGO ST. SYRACUSE NEW YORK	E
U-FILE-M BINDER MFG. CO., INC.	26	1	1.0		MR. OSBORN	BOX 83 (SYRACUSE CORTLAND RD. 11)	150 469
UDYLITE CORP.	347	0	0.0			LAFAYETTE N.Y. 13084	408
UNION CARBIDE CORP. LINDE DIV.	281	1	1.0 LC	M	D.F. DEEGAN	4 DEHLINE RD. LIVFRPOOL N.Y. 13088	453
UPSTATE MEDICAL CENTER HOSPITAL	806	3	0.5 M			BOX 95 BOXWOOD LN. MIDLER PARK SYRACUSE N.Y. 13206	114 472
VALERON CORP. VALENITE METALS DIV.	34	1	1.0 M		MR. SANTINAW	750 EAST ADAMS ST. SYRACUSE N.Y. 13210	390
VANSANFORD TOOL CORP.	35	1	1.0 LC	M	F.H. VANSANFORD	315 WAVEL ST. SYRACUSE N.Y. 13206	206
VEGA INDUSTRIES, INC.	34	2	3.0 M		DONALD JACQUITH	4411 JAMES ST. E. SYRACUSE N.Y. 13057	334
VENTRE PACKING CO., INC.	203	1	1.0 M		JOHN VENTRE	E. BRIGHTON & E. GLEN AVES. SYRACUSE N.Y. 13205	72
VIM SYSTEMS, INC.	35	1	1.0 M			373 SPENCER ST. SYRACUSE N.Y. 13204	391
W.D. CARPENTER CO., INC.	2818	1	1.0 M		J.S. CARPENTER	501 W. FAYETTE ST. SYRACUSE N.Y. 13204	117
W.F. SAUNDERS & SONS INC.	32	2	3.0		SHERMAN V. SAUNDERS	111 IRVING AVE. SYRACUSE N.Y. 13210	146
						DRAWER A S. ONONDAGA RD. NEOROW N.Y. 13120	

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								E
W.H. STEWART INC.	35	1	1.0	H		W.H. STEWART	BOX 767 (202 KRATZ AVE.)	244
WALKER CORP. & CO., INC.	283	1	1.0	LC	M	ROBERT G. LONG	E. HAMPTON PL. & N. COLLINGWOOD AVE.	116
WARD FOODS, INC.	205	2	3.0	M		R. STUPKA	237 SHONNARD ST. SYRACUSE N.Y. 13201	84
WARD SALES CO., INC.	394	1	1.0	M			1117 W. FAYETTE ST. SYRACUSE N.Y. 13204	309
WARREN OPTICAL CO.	804	1	1.0	M			225 SOUTH WARREN STREET SYRACUSE N.Y. 13202	295
WEATHER PRODUCTS CORP.	26	1	1.0	M		BIRCHENAUGH	102 WEST DIVISION ST. SYRACUSE N.Y. 13204	107
WECO GRAPHIC CO., INC.	26	1	1.0	M		EDWARD C. MARKERT	BOX 936 600 N. STATE ST. SYRACUSE N.Y. 13201	108
WELCH ALLYN INC.	38	3	3.0			CHARLES M. EVANS	JORDAN RD. SKANEATELES FALLS N.Y. 13153	440
WESTVALE TOOL & MACHINE CO.	35	1	1.0	M			2005 W. GENESEE ST. SYRACUSE N.Y. 13219	392
WHITE CAP CHEMICAL CO.	250	1	1.0	M			624 BURNET AVE. SYRACUSE N.Y. 13203	126
WHITNEY-HAUFF TOOL & GAGE CO., INC.	35	1	1.0	M		KENNETH WHITNEY	1206 E. WATER ST. SYRACUSE N.Y. 13210	200
WHITTAKER CORP.	50	1	1.0			A. BIBEN	CROSSROADS PARK DR. LIVERPOOL N.Y. 13088	444
WHOLESALE CO-OP MEAT DEALERS, INC.	201	1	2.0	LC	M		325 W. SECOND ST. SYRACUSE N.Y.	366

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COMPANY NAME	NS CODE	ST PE	DA CODES	AI TREAT PLANT	REFERENCE NAME	ADDRESS	CC OO D E
WILKINS CAPITAL DRY CLEANERS	721	1	1.0	M		4705 S. SALINA ST. SYRACUSE N.Y.	356
WILLIAM R. MORGAN, INC.	35	1	1.0			BOX 72 (60E.MAIN ST. MARCELLUS) CAMILLUS N.Y. 13031	413
WILL & BAUMER CANDLE CO., INC.	39	2	3.0	M LC	JOSEPH DELANEY	BOX 711 (PARK ST. & LIVERPOOL RD.) SYRACUSE N.Y. 13201	299
WINKRETE PRE-CAST CORP.	32	2	3.0	G4	MR.CUDDY&MR.TEETER	BOX 1004 300 LONG BRANCH RD. SYRACUSE N.Y. 13201	151
WM. P. CURTISS CO., INC.	25	1	1.0		JAMES F. BREHM	HOX 32 SKANEATELES N.Y. 13152	418
WOLFF & DUNGEY INC.	336	1	2.0	M	THOMAS F. DUNGEY	325 TEMPLE ST. SYRACUSE N.Y. 13202	159
WOODCRAFTSMEN CO.	24	1	1.0	M	MR. KRESS	331 SEYMOUR ST. SYRACUSE N.Y. 13204	94
WOOD PRESERVING CO.	24	1	1.0	LC M	WILLIAM SCHELL	401 N. MIDLER AVE. SYRACUSE N.Y. 79	369
WYBAR ELECTRONICS CORP.	36	1	1.0	M	F.C. DELL	BOX 1342 (OLIVA DR.) SYRACUSE N.Y. 13201	234
YOUNG & FRANKLIN TOOL WORKS, INC.	35	1	2.0	M	FRED SHOOT	LIVERPOOL RD. LIVERPOOL N.Y. 13088	219

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	SI CODE	INDUSTRY CODE	REFERENCE NAME
ALGEO MFG. INC.	35	1	JOHN CASELLA
ALLIED TOOL CORP.	35	2	STEVE ROBINSON
BLISS STEEL PRODUCTS CORP.	34	3	G.C. BLISS
BORDEN FOODS, DIV. OF BORDEN INC.	203	4	JOHN MALACIAN
BRISTOL LABORATORIES	283	5	GEORGE MENTER
BURKHARD BROS., INC.	35	6	ROBERT T. BURKARD
CANADA DRY BOTTLING CO. OF SYR. N.Y.	208	7	ROBERT DRUMM
CARRIER AIR CONDITIONING CO.	35	8	N. CHUDYK
CAST-O-MATIC DIV. OF ARWOOD CORP.	336	9	RICHARD ADAMS
NEW PROCESS GEAR DIV. CHRYSLER CORP.	37	10	JOE OSTER
CLICQUOT CLUB BOTTLING CO.	208	11	PETER RINELLA
THOMAS A. COLUCCI PRINTING COMPANY	26	12	THOMAS COLUCCI JR.
CONTINENTAL CAN CO., INC.	26	13	FRANK SHIEHAN
CORENCO CCP. (SYRACUSE RENDERING CO.)	209	14	D. BUCKLIN
TERREL'S POTATO CHIP CO., INC.	209	15	JAMES E. TERREL
CROUSE-HINDS COMPANY	36	16	RAY WACHUB
CURRY, MC LAUGHLIN AND LEN, INC. (*)	36	17	
DAIRYMEN'S LEAGUE CO-OPERATIVE ASSN.	202	18	STEPHEN GREEN
PAUL DELIMA CO., INC.	2095	19	DAVID DELIMA
EAGLE METALCRAFT, INC.	34	20	JACK H. HELMER
FAIRBANKS DAIRIES DIV. COOPERSDALE DA	202	21	
FALSO INDUSTRIES, INC.	34	22	PHILLIP FALSO
INLAND CHEMICAL CORP.	0	23	HUGH BRINKLEY
J.F. FRIEDEL PAPER BOX CO. (*)	26	24	PETER G. FRIEDEL
GAEBEL ENTERPRISES, INC.	34	25	ARTHUR R. GAEBEL

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GARDALL CORP.	34	26	J. LAMPMAN
GENERAL ELECTRIC CO. (COURT ST.)	36	27	AL WEINER
FISHER BODY DIV. GENERAL MOTORS CORP	37	28	ROBERT HALL
GENERAL SUPER PLATING CO., INC.	3471	29	H.GERHARDT,JR.
HOFFMAN INDUSTRIES DIV. CLARKSON IND	35	30	JOSEPH ELGAWAY
INDUSTRIAL FABRICATING CORP.	34	31	JOHN MATHEWS
COSCO GRAPHICS DIV. CONSOLIDATED IND	39	32	
KILIAN MFG. CORP.	35	33	P. BENERE
DIEBOLD INC.,LAMSON DIVISION	35	34	HOWARD EGLOWSTEIN
LIBERTY COMBUSTION CORP.	34	36	
METAL FINISHING SUPPLY INC.	3479	37	EDGAR J. HOLLISTER
NATIONAL PLATING CO., INC.	3471	38	C. LEROY
OBERDORFER FOUNDRIES, INC.	336	39	ROBERT WOLF
PENNY CURTISS BAKING CO., INC.	205	40	
PEPSI-COLA SYRACUSE BOTTLERS, INC.	208	41	LAWRENCE LEEBY
PRESTOLITE COMPANY DIV.OF ELTRA CORP	36	42	WILLIAM DEAN
RALPH PACKING CO., INC.	201	43	WM. GREENHOUSE
GREENHOUSE BROS., INC.	201	44	WILLIAM GREENHOUSE
PILGRIM PACKING CO., INC.	201	45	WILLIAM GREENHOUSE
SYRACUSE CLO FASHIONED BEVERAGES, INC	208	46	L. BRAVERMAN
ROTH BROS. METAL CO., INC.	336	47	
SELFLOCK SCREW PRODUCTS CO., INC.	34	48	R. STEPHENS
SIEGEN COMPCUNDS, INC.	2854	49	
SIMS CASTINGS CORP.	336	50	GEORGE HILGENBERG
SPAULDING METALS CO., INC.	3479	51	DANIEL SPAULDING

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	SI CODE	INDUSTRY CODE	REFERENCE NAME
SUPER HEAT TREATING, INC.	339	52	ALBERT G.LINTEL, JR
SYRACUSE DIE CASTINGS & MFG. CO.	336	53	ADAM MCCLUSKY
SYRACUSE READY MIX CONCRETE CO., INC.	32	54	WILLIAM GESSLER
B.G. SULZLE, INC.	384	55	
SYRACUSE CHINA CORP.	32	56	M.E. KELLY
DEWITT PACKING CORP.	201	57	GERALD NAISTADT
HOFMANN SAUSAGE CO.	201	58	MRS. WALTER FLOOR
MAPLE GROVE FARMS	201	59	
MEIER & RANZ	2013	60	RICHARD MEIR
BORDEN INC. DAIRY & SERVICES DIV.	202	61	A.J.DOMEIKA
BYRNE DAIRY INC.	202	62	WILLIAM BYRNE
CROWLEY'S MILK CO. INC. N*TH*R'D DIV	202	63	R.J. GUIENDON
DARLING ICE CREAM CO. INC.	202	64	ANTHONY SCRO
INSTANT WHIP CO. INC.	202	65	ROBERT COLLIGRON
MARBLE FARMS DAIRY INC., THE	202	66	J.W. MARBLE
KRAFT CO. CORP. SEALTEST FOODS DIV.	202	67	BRUCE PERKINS
CITRUS FRUIT JUICE CO. INC.	203	68	
FREMONT KRAUT CO., THE	203	69	MAURICE LADD
JAC'S HORSERADISH PRODUCTS	203	70	WAYNE VENTON
LA GONDOLA FOOD, INC.	203	71	LEONARD LUDOVICO
VENTRE PACKING CO., INC.	203	72	JOHN VENTRE
INTERNATIONAL MILLING CO.	204	73	
COLUMBUS BAKING CO.	205	74	NICK COSTAS
DILAURIO BAKERY	205	75	F.J.SPTNA
EMPIRE DONUT SHOPS	205	76	

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HARRISON BAKERY, INC.	205	77	ARTHUR ROTHFELD
MASTERPOLE'S BAKERY	205	78	MRS. RUSSO
MA TUTTLE'S HOME MADE PIES, INC.	205	79	
INTERSTATE BAKERIES CORP. MILLBROOK	205	80	ANTHONY G. FREDELLA
NEW BRIGHTON BAKERY	205	81	
NEW YORK BAKERY	205	82	
ROSS BAKERY	205	83	ANTHONY E. ROSS
WARD FOODS, INC.	205	84	R. STUPKA
SEVEN-UP BOTTLING CO OF SYRACUSE INC	208	85	JOHN HANYAK, JR.
SYRACUSE COCA-COLA BOTTLING CO.	208	86	GEORGE SCHWAB
M.R. CARY CORP.	209	87	FRANCIS D. CAREY
JEANS FOODS INC.	209	89	J. RICHARDS CHILDS
LA TOURAIN COFFEE CO.	2095	90	SUMNER FERNALD
MOREY'S MILL	209	91	
SYRACUSE SAFETY SERVICE INC.	23	92	ARTHUR R. JAYNES
WOODCRAFTSMEN CO.	24	94	MR. KRESS
C.W. YOUNG MANUFACTURING CO.	24	95	ROBERT YOUNG
AUBOUR CORP.	26	97	
ERHARD & GILCHER INC.	26	98	MR. MCGEE
GAYLORD BROS. INC.	26	99	ROBERT W. COLLINS
HALL & MCCHESNEY INC.	26	100	H.F. MILLER, JR.
MCMILLAN BOOK CO., INC.	26	101	DONALD F. MARSH
MEAD CONTAINERS DIV OF THE MEAD CORP	26	102	ROBERT D. BROWN
PACKAGING CORP. OF AMERICA	26	103	EUGENE ROLLERI
PRATT PRINTING CO., INC.	26	104	S. PRATT

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A.L.GARBER CO.	26	105	LARKIN SMITH
A.J. WALLON & SON	26	106	NANCY FINCH
WEATHER PRODUCTS CORP.	26	107	BIRCHENAUGH
WECO GRAPHIC CO., INC.	26	108	EDWARD C. MARKERT
ALLIED CHEMICAL CORP. IND. CHEM.DIV.	281	110	
BURDETT OXYGEN CO. OF SYR. INC.	281	111	MIKE KADLOWBOWSKI
CHURCH & DEWIGHT CO., INC.	281	112	MERRILL K. HOFFMAN
STAUFFER CHEM. CO. COWLES CHEM. DIV.	281	113	MR. BRADLEY
UNION CARBIDE CORP. LINDE DIV.	281	114	D.F. DEEGAN
G.C. HANFORD CO.	283	115	G.R. HANFORD
WALKER CORP. & CO., INC.	283	116	ROBERT G.LONG
W.D. CARPENTER CO., INC.	2818	117	J.S. CARPENTER
FINISHINE LABORATORIES, INC.	285	119	ELMORE W. HAGADORN
C.A. REEVE PAINT CO., INC.	285	120	DONALD F. MARTIN
STRATHMORE PRODUCTS INC.	285	121	MARTIN CREGG
SUNDURE PAINT CORP.	285	122	HARRY SUSKING
SYR. PAINT & VARNISH DIV. MIDSTATE	285	123	
TARSON CHEMICAL CO.	250	124	F.H. TARSON
TOC'S PRODUCTS INC.	250	125	
WHITE CAP CHEMICAL CO.	250	126	
BARRETT PAVING MATERIALS ALLIED CHEM	29	127	D.G. WELLS
EMPIRE BITUMINOUS PRODUCTS, INC.	29	128	RUSSEL MAHLER
SEITZ OIL PRODUCTS REFINING CORP.	29	129	
CLOMAC PLASTICS INC.	3079	130	ANDREW SIDOR
SYRACUSE PLASTICS INC.	3079	131	JOSEPH P. FALCONE

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THERMOLD CORP.	3079	132	EDWARD ETHERIDGE, JR
HENRY KECK INC. STAINED GLASS STUDIO	32	134	MR. WORDEN
SYRACUSE POTTERY INC.	32	135	GORDON BRITCHER
ALPHA PORTLAND CEMENT CO.	32	136	J.P. MENGWASSER
BURNETT PROCESS INC.	32	138	RONALD SALAYDA
CHANNEL CHALKBOARDS DIV CHANNEL IND.	32	139	L.J. KOSTREZEWSKI
CLARK CONCRETE CO., INC.	32	140	H.A. CLARK
HIGBEE RUBBER CO., INC.	32	141	JAMES F. HIGBEE
TONY NUZZO & SONS INC.	32	142	LOUIS NUZZO
ONONDAGA LIGHTWEIGHT AGGREGATE CORP.	32	143	WILLIAM PRITCHETT
ONONDAGA READY MIX DIV OF ELMIRA TRN	32	144	MR. BULLOCK
PARAGON SUPPLY INC.	32	145	PARAGON SUPPLY
W.F. SAUNDERS & SONS INC.	32	146	SHERMAN V. SAUNDERS
SYR. CONCRETE PIPE & PRODUCTS CORP.	32	148	ROBERT C. BUTTNER
TRU-TILE INC.	32	150	MR. EVANS
WINKRETE PRE-CAST CORP.	32	151	MR. CUDDY&MR. TEETER
FRAZER & JONES CO. DIV OF EASTERN CO	332	152	CHARLES PIPERNO
GENERAL ELECTRIC COMPANY	36	154	EDWARD GLEASON
JARDINE BRONZE & ALUM. FOUNDRY INC.	336	155	C.H. MEISTER
MELONI FOUNDRIES INC.	336	156	LOUIS IANNETTONI
PRECISION CASTINGS CO. ALLIED PRODS	336	157	ANTHONY GAUDIO
WOLFF & DUNGEY INC.	336	159	THOMAS F. DUNCEY
GENERAL HEAT TREATING CORP.	3398	160	
EVANS HEAT TREATING CO-DIV ELMIRA	33	161	W. DAVID CALL
SYRACUSE HEAT TREATING CORP.	339	162	FRANK M. TIETGE

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	SI CODE	INDUSTRY CODE	REFERENCE NAME
JOSEPH CASHIER & CO. INC.	34	164	DONALD LOMBARDI
CUSTOM SHEET METAL CORP.	34	165	GEORGE H. BROWN
ERTINGER METAL FABRICATORS INC.	34	166	EUGENE R. ERTINGER
CNEIDA CRAFT MFG. CO.	34	169	MR. TOWNSEND
ONTARIO PRODUCTS CORP.	34	170	
PALIOTTA IRON WORKS INC.	34	171	VINCENT PALIOTTA
SMITH & CAFFREY STEEL CORP.	34	172	
STATE METAL AWNING INC.	34	173	HAROLD LIEBERMAN
SYRACUSE ENGINEERING CO., INC.	34	174	
SYRACUSE STAIR & IRON WORKS INC.	34	175	
SYRACUSE TANK & MFG. CO., INC.	34	176	SCOTT STEELE
THOR METAL PRODUCTS CO., INC.	34	177	RAY FALSO
DEWITT-AERO MFG. CORP.	34	178	JAMES DEFURIA
MAGNAVOX CATV-DIV OF MAGNAVOX	34	182	J. MAZZALINGUA
AJM BUMPER PLATING CORP.	347	183	DUD SOCIA
AIRCO PLATING CO.	347	184	
ALL-STATE STAMPINGS CORP.	347	185	PETER AMICO
ANOPLADE CORP.	347	186	M. STEVENSON
BROWN & REAGAN INC.	3479	187	E.F. REAGAN
FREDERICK C. BURROUGHS & SON	347	188	
CENTRAL PLATING CO., INC.	347	189	NEIL MAFFEI
ELMWOOD INDUSTRIAL CHROMIUM CORP.	347	190	WALLACE WARD
MORSE MFG. CO., INC.	35	192	RALPH ANDREWS
CARPENTER MFG. CO., INC.	35	193	H.J. CARPENTER
GENERAL ELECTRIC COMPANY	36	195	AL WEINER

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MISENER MFG. CO., INC.	35	196	GORDON SPOOR
ROCKWELL INTERNATIONAL	35	197	BOB McMAHON
E.R. SIEFERT, INC.	35	198	MR. BABLOK
STONE MACHINERY COMPANY	35	199	A.R. STONE
WHITNEY-HAUFF TOOL & GAGE CO., INC.	35	200	KENNETH WHITNEY
ALLEN TOOL CORP.	35	201	RICHARD W. DARRONE
BARBER TOOL COMPANY	35	202	CEDRIC BARBER
DAVIS TOOL & GAGE, INC.	35	203	MR. DAVIS
E-L MACHINE & TOOL CO.	35	204	MR. LETSON
VANSANFORD TOOL CORP.	35	206	F.H. VANSANFORD
PATELL INDUSTRIAL WORKS	35	207	THOMAS PATELL
KLIX TOOL CORP.	35	208	FRAZIER MONTANYE
LEMOYNE MACHINE PRODUCTS CORP.	35	209	L. GRANDINETTI
MARK'S MACHINE & TOOL CORP.	35	210	DONALD ETMANSKI
ONONDAGA TOOL CORP.	35	212	EDWARD DORING
PRECISION MACHINE PRODUCTS CO.	35	213	JOHN McLATCHIE
PRINCE TOOL & DIE LABORATORY, INC.	35	214	JOHN PRINCE
REINHARDT MACHINE PRODUCTS	35	215	MR. REINHARDT
SHANAHAN TOOL & DIE CORP.	35	216	M.B. SHANAHAN
SWENTON TOOL & DIE CO. INC.	35	217	EDWARD J. SWENTON
SYRACUSE METAL MECHANICS	35	218	RENZO MULARI
YOUNG & FRANKLIN TOOL WORKS, INC.	35	219	FRED SHOOT
H.C. YOUNG TOOL & MACHINE, INC.	35	220	MR. YOUNG
E.F. COOK CO.	35	221	
SANITARY PROCESSING EQUIPMENT CORP	35	222	ROBERT H. FELDMEIER

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SPENO, FRANK, RR BALLAST CLEANING CO.	35	223	STILL REAGAN
SUNSTRAND-ENGELBERG, INC.	35	224	R.L. SCHALLER
TOMPKINS BROS. CO., INC.	35	225	A. GENTILE
DIEFENDORF GEAR CORP.	35	226	D.W. DIEFENDORF
MORRIS CENTRIFUGAL PUMPS	35	227	ARTHUR LICOURT
NIXON GEAR & MACHINE CO., INC.	35	228	GEORGE SHATTERLY
ROLLWAY BEARING CO., INC.	35	229	STAN KRAWCZYK
RUSH WIRE STRIPPER DIV.	35	230	
SAWYER INDUSTRIES, INC.	35	231	FRANKLIN J. SAWYER
SCHROEDER MACHINES CORP.	35	232	MR. DUSSE
SERVICE MACHINE CORP. OF SYRACUSE	35	233	DANIEL P. WART
HYBAR ELECTRONICS CORP.	36	234	F.C. DELL
CITY PATTERN SHOP, INC.	35	235	F. HUMISTON
HARRIS PATTERN WORKS, INC.	35	236	MR. HARRIS
INDUSTRIAL PATTERN WORKS	35	237	GEORGE M. RANDLE
PATTERN MAKERS, INC.	35	238	KEN FOWLER
SIMS MATCHPLATE CORP.	35	239	GEORGE HILGENBERG
FRANK J. SPRING & SON	35	240	FRANCIS A. SPRING
STONE BROS. PATTERN CO.	249	241	SAYLES E. STONE
G.A. BRAUN, INC.	35	243	JOHN RYBAK
W.H. STEWART INC.	35	244	W.H. STEWART
CAMBRIDGE FILTER CORP.	35	246	BERNARD F. TRIMBUR
EDCO SALES, INC.	35	247	E.M. COTTE
ABBOTT TOOL & MACHINE CO., INC.	35	248	MR. DAVIS
ACME METAL PRODUCTS CO.	35	249	STEPHEN M. BACKITY

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	SI CODE	INDUSTRY CODE	REFERENCE NAME
ACORN TOOL CO.	35	250	ROBERT DAVIS
ACRO-CEL TOOL & MACHINE CO.	35	251	
ADVANCED WELDING	35	252	JOE OSINSKY, JR.
ALLIED INVALID EQUIPMENT CO.	35	253	MR. SHAW
AMERICAN PRODUCTION & GRINDING CORP.	35	254	
BENTLEY WELDERY & MACHINE CORP.	35	255	
BOWMAN MACHINE SHOP	35	256	
S. CHENEY AND SON	34	257	
INDIAN SPRINGS MFG.CO., INC.	35	261	EDWARD O. PFOHL
LEHMAN & GRAF INC.	35	262	F.W. GRAF
A.E. LOFTS, INC.	35	263	WILLIAM CUMMINGS
ONONDAGA MACHINE CO., INC.	35	264	
ROSS METAL PRODUCTS CO.	35	265	MR. CLARKE
ANAREN MICROWAVE, INC.	36	267	R.E. GUMMER
CARLYLE COMPRESSOR CO. DIV CARRIER	35	268	DON COMP
BOMAC INC.	36	269	
MAGNAVOX CATV DIVISION	36	270	J. MAZZALINGUA
R.E. DIETZ CO.	36	271	JACK DWYER
HANCOCK MFG. CORP	35	272	
KING LABORATORIES, INC.	36	273	F.P. SCOTT
LDV ELECTRO SCIENCE INDUSTRIES, INC.	36	274	TONY CATANIA
LEIGH SYSTEMS INC.	36	275	ROBERT VAGO
MASTECH, INC.	36	276	
MICROWAVE FILTER COMPANY, INC.	36	277	
MICROWAVE SYSTEMS, INC.	36	278	

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	SI CODE	INDUSTRY CODE	REFERENCE NAME
J.E. MILLER, INC.	36	279	JAMES E. MILLER
PASS & SEYMOUR, INC.	36	280	JOHN MADDEN
THE BROWN CORP.	37	283	HENRY W. BROWN
LIPE-ROLLWAY CORP.	37	284	ANTHONY F. SHERMAN
SANFORD FIRE APPARATUS CORP.	37	285	SAMUEL C. SANFORD
SYRACUSE GAUGE CO., INC.	37	286	R.F. EDWARDS
AMERICAN OPTICAL CO.	383	287	
BAUSCH & LOMB, INC.	383	288	PAT COYLE
BRANNOCK DEVICE CO.	38	289	CHARLES BRANNOCK
CONTI OPTICAL CO., INC.	383	290	JAMES M. CONTI
EDELSTEIN OPTICAL LABORATORIES, INC.	38	291	
FREES & TYO, INC.	38	292	H.J. TYO
ONONDAGA OPTICAL CO., INC.	38	293	
REPUBLIC CONTROLS CORP.	38	294	
WARREN OPTICAL CO.	804	295	
CATHEDRAL CANDLE CO.	39	296	LOUIS STEIGERWALD
MACK MILLER CANDLE CO., INC.	39	297	E.G. VERTIGAN
MUENCH-KREUZER CANDLE CO., INC.	39	298	BOB MATHEWS
WILL G BAUMER CANDLE CO., INC.	39	299	JOSEPH DELANEY
H.C. BAINBRIDGE, INC.	39	300	
ELECTRO-AC SIGN CORP.	7312	301	LAWRENCE PETRUCCI
GLADDING-RANGER, INC.	39	302	TOM BRADY
MARSELLUS CASKET COMPANY, INC.	39	303	J.F. MARSELLUS
RICHARDS OF COURSE , INC.	7312	304	JOHN M. RICHARDS
SKANEATELES HANDICRAFTERS, INC.	249	305	ROBERT JORDON

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	SI CCODE	INDUSTRY CODE	REFERENCE NAME
SYRACUSE JEWELRY MFG. CO.	39	306	HENRY KÜTZ
SYRACUSE TOYCRAFT CO.	39	307	A. LOMBARDI
TRU-ART DISPLAY	39	308	
WARD SALES CO., INC.	394	309	
KNISE & KRICK, INC.	35	310	J.R. EXTROM
MAC-LAW TOOL & AIRCRAFT PARTS, CORP.	35	311	C.W. FRYE
GENERAL PRESSED METAL CO.	347	312	JAMES E. DWYER
DUDLEY POULTRY CO.	251	313	
HY-GRADE METAL PRODUCTS CORP.	344	314	STEPHEN POLACK
MILLER ELECTROPLATING & ANODIZING CO	347	315	C.J. HOPKINS
STORMS PLATING INC.	347	316	WILLIAM STORMS
SYRACUSE STAMPING CO., INC.	347	317	C.J. CUCKHUFF
ASSOCIATED SPRING CORP. SYRACUSE PL	34	318	J.C. NARDUCCI
TRIDENT PRINTING	27	319	GIDEON E. BROWN
BURNS MFG. CO., INC.	34	321	J.C. EDGERTON
CAMILLUS CUTLERY CO.	34	322	NILO MIORI
J.R. CLANCY INC.	34	323	GEORGE SCHERER, JR.
CUR-O-WAL PRODUCTS, INC.	34	324	W.F. FAGAN
O.M. EDWARDS CO., INC.	34	325	DAVE REMICK
GREIF BROS. CORP. INTERNATIONAL DIV.	34	326	F. FABER
SCIENTIFIC TOOL & ENGINEERING CO.	34	329	RICK COLVIN
SYRACUSE MIDSTATE SPRING INC.	34	330	MR. BERNET
SYRACUSE WIRE & FENCE WORKS, INC.	34	331	MRS. ERMINA MARTIN
TECHNICAL FABRICATORS, INC.	34	332	MR. KLINGBEIL
THELEN IRON WORKS, INC.	34	333	CHARLES CASTLEMEN

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VEGA INDUSTRIES, INC.	34	334	DONALD JACQUITH
NORTHEAST OIL CO.	29	335	
BASILE'S WHOLESALE MEATS	201	337	
KELLER & WEBER MEAT CO., INC.	201	338	
KNODEL WHOLESALE MEATS, INC.	2013	339	LEO GROSSO
MARINO'S ITALIAN STYLE SAUSAGE CO.	2013	340	MR. FARNETT
ONEONTA DRIED BEEF	201	341	
ATLAS LINEN SUPPLY CO., INC.	7213	342	C.J. MYSLINSKI
CCYNE INDUSTRIAL LAUNDRY	7219	343	J. STANLEY COYNE
BOHANON CORCORAN PRINTING CORP.	26	345	RAY CORCORAN
BROWN PRINTING CO. OF SYRACUSE	26	346	ROBERT BROWN
MIDSTATE PRINTING CORP.	26	347	ROLAND BRIARS
G & L DAVIS MEAT CO.	2013	348	CARY DAVIS
H.J. RIGGS	34	349	HARVEY RIGGS
BLUE BOY ALL STAR	209	350	
SNO-BIRD ICE CREAM CO.	202	351	PAUL DAME
CITY LINEN & TOWEL SUPPLY CO., INC.	721	352	R.J. ROSS
ALLIED INDUSTRIAL LAUNDRY	7219	354	ERIC PETERSON
INTERSTATE INDUSTRIAL LAUNDRY	7219	355	TOM SCAVARA
WILKINS CAPITAL DRY CLEANERS	721	356	
NIAGARA MCHAWK POWER CORP.	36	357	J.M. TRACY
EDGCOMB STEEL CO.	34	358	ROBERT OSUCHOWSKI
GROUNDWATER INDUSTRIES	50	359	GEORGE CIANQUITTI
S.J. GROVES & SONS CO.	34	360	P.J. GEBHARDT
ARTEL ONE HOUR CLEANERS	721	362	RICHARD CASOLE

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	SI CODE	INDUSTRY CODE	REFERENCE NAME
METAL GOODS DIV OF ALCAN ALUMINUM	34	363	ROBERT HORTON
BABBIT BEARINGS-DIV. SERVICE MACHINE	35	364	CHARLES P. WART
TRANS BEARING CORP.	35	365	
WHOLESALE CO-OP MEAT DEALERS, INC.	201	366	
ABC DIAPER SERVICE	7214	367	
BERG DIAPER SERVICE	7214	368	
WOOD PRESERVING CO.	24	369	WILLIAM SCHELL
DEMONG MACHINE WORKS	35	370	
SYRACUSE CORRUGATED BOX CORP.	26	371	MR. SKELTON
ALUM-A-ALOK PRODUCTS	34	372	
JPW FABRICATOR	34	373	
SHORGOOD POULTRY DISTRIBUTORS	251	374	
PRECISION WELDING	33	375	
A AMERICNA CHEMICAL CO.	36	377	
NELLIS B. BRONNER CO.	36	378	
I-T-E IMPERIAL CORP.	36	379	
CARRINGTON TOOL & DIE CO.	35	380	R. CARRINGTON
CICERO WIRE ROD CO.	34	381	ARTHUR J. MURPHY
FLEX HOSE CO., INC.	34	382	R. EGGERT
INFICON	36	384	
PRECISIONEERING CO.	34	385	CHARLES GIBBONS
L&M INDUSTRIES	35	386	MR. WICKS
SKAN-A-MATIC CORP.	36	387	
THOMPSON & JOHNSON EQUIPMENT CO.	37	388	WILLIAM MANTZ
VALERON CORP. VALENITE METALS DIV.	34	390	MR. SANTINAW

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	SI CODE	INDUSTRY CODE	REFERENCE NAME
VIM SYSTEMS, INC.	35	391	
WESTVALE TOOL & MACHINE CO.	35	392	
STANTON FOUNDRY, INC.	332	393	STAN SITNIK
SYRACUSE CASTING CORP.	332	394	STEVE WOOTS
CALDWELL & HARD BRASS CO.	336	395	PETER LAMPREDA
RAULI & SONS, INC.	34	396	GUIDO RAULLI
MCINTYRE BROS. PAPER CO., INC.	26	397	MR. MCINTYRE
SYROCO DIV. DART INDUSTRIES INC.	39	398	HENRY KOTAS
CROUSE-HINDS CO.	36	399	RAY WACHOB
MULROY DAIRY FARM	202	400	EDWARD MULROY
ATLANTIC SEAFOOD CO.	209	401	
MERCER MILLING CO.	204	402	
THE MARTISCO PAPER CO., INC.	26	406	HOWARD SPENCER
MCauliffe Paper Inc.	26	407	MR. FILES
U-FILE-M BINDER MFG. CO., INC.	26	408	MR. OSBORN
GRAY-SYRACUSE, INC.	33	409	DONALD BUSS
EDON WIRE INC.	33	410	MR. SCOTT
LIS BROTHERS	347	411	
EDLAND MFG. CO., INC.	35	412	ARTHUR N. STORRITT
WILLIAM R. MORGAN, INC.	35	413	
L.A.B. CO.	38	414	GILBERT HILL
ATLAS BAKING CO.	205	416	F. FREIMARK
WM. P. CURTISS CO., INC.	25	418	JAMES F. BREHM
EASTWOOD DAIRY, INC.	202	419	
FREY'S PATTERN SHOP	35	420	MR. FREY

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	SI CODE	INDUSTRY CODE	REFERENCE NAME
GENERAL CRUSHED STONE CO.	32	421	FRANCIS HALCOMB
NIGHTINGALE MILLS, INC.	2048	422	J.G. NIGHTINGALE
F.L. NITSCH & SONS	35	423	JOSEPH K.NITSCH
PHOENIX GAGE INC.	35	425	PAUL A. SCUSA
PRODUCTION TOOL MFG. CORP.	35	427	MRS. HERMAN BIELING
RCMA BAKING CO.	205	428	PAUL J. MIGNACCA
SALINA PLATING CO.	347	429	
SILVER BROOK FARMS, INC.	202	430	GEORGE BRIGATTI
SOUTH SIDE DAIRY CORP. (BLUE RIBBON)	202	431	
SPAR-KLEEN PRODUCTS, INC.	28	432	MRS. SHEET
STICKLEY MFG. CO., INC.	25	434	MRS. STICKLEY
GTE SYLVANIA	732	435	
SYRACUSE ELECTROTYPE CORP.	27	436	JACK C.NIMS
SYRACUSE PHARMACAL CO., INC.	283	437	C.L.HOVER
SYRACUSE PAINT & VARNISH WKS.	285	438	ALFRED E. SHORE
WELCH ALLYN INC.	38	440	CHARLES H.EVANS
CARPENTER TECHNOLOGY CORP.	503	441	H.R.POTTER
R.E M SHEET METAL CO.	344	442	R.FONTAINE
AMERICAN GRANBY CO., INC.	35	443	
WHITTAKER CORP.	50	444	A.BIBEN
TEXMARK INC.	35	445	D.METZCAR
CLINTON'S DITCH COOPERATIVE CO., INC.	208	447	FRANK G. STAROPOLI
A.E. NETTLETON CO.	314	448	
LEARBURY CLOTHES	231	449	
CLARK TRUCKING CO.	423	450	MR. MILLER

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	SI CODE	INDUSTRY CODE	REFERENCE NAME
JOHN MORRELL & CO.	201	451	
SEL-REX CO.	347	452	
UDYLITE CORP.	347	453	
THREE HOUR LAUNDRY&DRY CLEANING, INC.	721	454	
EASY WASH LAUNDRY	7215	455	
MARA LAUNDRY CENTER	7215	456	
SHOP CITY LAUNDROMAT	7215	457	
BILT WELL DRY CLEANING CO.	721	458	
CARDINAL CLEANERS	7215	459	
PLAZA LAUNDROMAT	7215	460	
SMITH LAUNDRY&DRY CLEANING, INC.	721	461	
SERVE YOURSELF CAR WASH	7542	462	RAY BIELEC, JR.
SIT IN CAR WASH, INC.	7542	463	
FAIRMOUNT CAR WASH	7542	464	CHARLES WELCH
BUCKLEY RD. CAR WASH	7542	465	S. & A. KORVENIEWSKI
JOHN & KATHERINE WALL	7542	466	J. & K. WALL
NORTHERN LIGHTS RING	7542	467	WILLIAM PORTER
CHEMICAL LEAMAN TANK LINES, INC.	423	468	FRANK WILSON
U-DO-IT CAR WASH	7542	469	JOHN WALL
CENTRO	417	470	H. J. HAFNER
COMMUNITY GENERAL HOSPITAL	806	471	HUGH BIRMINGHAM
UPSTATE MEDICAL CENTER HOSPITAL	806	472	
EMPIRE FREEZERS CORPORATION	4222	473	T. ARMSTRONG
CONTINENTAL TELEPHONE CORPORATION	481	474	
MATLACK CORPORATION	423	475	C. BERTRAND

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SI CODE	INDUSTRY CODE	REFERENCE NAME
BRACE MUELLER-HUNTLEY, INC.	34	476
		MR. PETERS

APPENDIX 2
SAMPLE NOTIFICATION LETTER

COUNTY OF ONONDAGA



DEPARTMENT OF PUBLIC WORKS

DIVISION OF DRAINAGE AND SANITATION

650 WEST HIAWATHA BOULEVARD

SYRACUSE, NEW YORK 13204

477-7574

JOHN H. MULROY
COUNTY EXECUTIVE

JOHN J. HENNIGAN, JR., P.E.
DEPUTY COMMISSIONER

Dear Sir:

I am starting this letter by urging you to carefully read its contents. It is most important that you understand fully the events that will be taking place during the next several months.

You have no doubt read or heard that Congress passed a new Federal Water Pollution Control Act in October of 1972. We are just now beginning to receive bits and pieces of the new regulations and are in the process of interpreting the impact on Onondaga County residents and industries. One fact is well documented; there will be an impact. Two pieces of the Legislation refer directly to your firm. I will quote these sections and then relate for you how you will be affected. Section 35.925-11 of the Construction Grants Regulation states: "That, prior to award of any grant after March 1, 1973, for a project which includes the building and erection of a treatment works, the applicant; A) Has adopted or will adopt a system of charges to insure that each recipient of waste treatment service will pay its proportionate share of the cost of operation and maintenance; B) Has received firm written commitments satisfactory to the Regional Administrator for the payment to such applicant by the industrial users for their proportionate share of the Federal share of capital cost of the project allocable to the treatment of such industrial waste to the extent attributable to the Federal share of the cost of construction; and C) Has legal, institutional, managerial and financial capability to insure adequate construction, operation and maintenance of treatment works throughout the applicant's jurisdiction."

Section 307. (c) of the new Federal Act states: "In order to insure that any source introducing pollutants into a publicly owned treatment works, which source would be a new source subject to Section 306 if it were to discharge pollutants, will not cause a violation of the effluent limitations established for any such treatment works, the Administrator shall promulgate pre-treatment standards for the category of such sources simultaneously with the promulgation of standards of performance under Section 306 for the equivalent category of new sources. Such pre-treatment standards shall prevent the discharge of any pollutant into such treatment works, which pollutant may interfere with, pass through or otherwise be incompatible with such works."

This office has submitted applications for Federal financial assistance for several proposed treatment plants. In every case, we will be subject to the new Federal Act. Section 35.925-11 quoted above means that every industrial user of a public system must pay its proportionate share of the Federal share of the capital cost. Section 307.(c) means

that certain industries discharging certain type of wastewaters into a public system must provide some type of pre-treatment in addition to paying its proportionate share of the construction cost of the public system if they continue to use said system.

The problem we are faced with at the current time involves the application for the proposed Syracuse Metropolitan Sewage Treatment Plant which is now estimated to cost approximately \$100,000,000.00; the Federal share of which would be approximately \$75,000,000.00. Before a grant offer will be made for this project and in accordance with Section 35.925-11, this office must receive firm written commitments from all industrial users regarding their payment of their proportionate share of the Federal share of capital cost. In order to implement this and assure ourselves that all Federal requirements are met, we will be instituting during the month of May and for a three or four month period, a crash program of industrial waste sampling and analyses. The purpose of this program will be to characterize your wastewater and allow us to tell you what your approximate annual charge will be. At that time, you must make a decision regarding a contractual agreement with the County assuring us and the Federal government that you will pay your proportionate share. Anyone not making such a commitment will not be permitted to use the sewer system. Even though you may not be receiving service through the Metropolitan Treatment Plant, you are located in an area that either has or will be applying for Federal aid. Therefore, you are being included at this time in order to have the information available at such time as it is required.

Sometime during the next few months you will be visited by representatives of this office or that of our consultants for the purpose of establishing a sampling program. It is imperative that we receive your full cooperation in this endeavor in order that we be able to provide you with accurate estimates regarding your annual charges. This estimate will be used to assist you in making your decision. If accurate samples and figures are not collected during this time period, they will be obtained at some point in the future due to another section of the new Federal Bill requiring continuous monitoring of all industrial waste discharges. Therefore, if erroneous information is used at the present time, the estimated annual charges may be substantially lower than actual charges to be determined at some future date through the continuous monitoring program.

To illustrate what effect this new law may have on your firm, allow me to cite an example. Assume that your firm is discharging 100,000 gallons per day of industrial wastewater and that the chemical constituents are similar to domestic waste, your contribution would be 1/800 of the anticipated 80,000,000 gallons per day at the treatment plant. Therefore, your share of the Federal share of \$75,000,000 would be \$93,750, which, over a twenty year period, would amount to an annual charge of \$4,687.50, just for the capital cost.

In addition, there would be cost sharing involved for the operation and maintenance of the treatment plant. Assuming an annual cost for O & M of \$1,000,000, your share would be \$1,250, from this would be deducted your annual ad valorem or benefit taxes paid for waste treatment within the sanitary district.

Prior to our initial visit to your firm, it would be beneficial and expedient if you will have ready certain basic information to be used as a starting point. Included in this information would be the following:

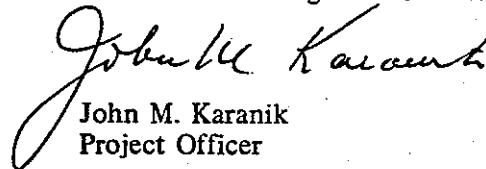
- a Number of employees.
- b Number of hours your firm is in operation during the week.
- c Water use records for the past three years.
- d A listing of amounts and types of raw material(s) used on an annual basis.
- e A listing of amounts and types of finished product(s).
- f A brief description of the process involved for each product.
- g A listing of all known wastewater sources.
- h A map or drawing of the plant property showing the locations of any manholes from which samples could be taken.

Enclosed is a self-addressed, self-explanatory postcard which we would appreciate having returned as soon as possible. Please note sampling may proceed before the above is returned.

If you have any questions whatsoever concerning this matter, please do not hesitate to call me or Mr. Randy Ott at 477-7574. Thank you for your cooperation.

Sincerely,

DEPARTMENT OF PUBLIC WORKS
Division of Drainage and Sanitation



John M. Karanik
Project Officer

JMK:kas

Enclosure

APPENDIX 3
SAMPLE INTERVIEW FORM

APPENDIX 3

ONONDAGA COUNTY INDUSTRIAL WASTEWATER SURVEY

Information to be Obtained During Visit to Each Industry

Industry, Address and code no. (from files)

Date of visit _____

Name & Position of Person Interviewed

Phone _____

No. of Employees Per Shift: 1st: Average _____ Peak _____

2nd: Average _____ Peak _____

3rd: Average _____ Peak _____

No. of Days Plant Operated During Week _____

No. of Hours Operated Per Day _____

Water Usage (past 3 yrs):

Municipal _____

Private Source(well) _____

Percent of Water Used for:

Cooling _____

Process _____

Part of Product _____

Boiler Make-Up _____

Other _____

Map or Sketch of Location of Potential Sampling Manholes

Manufacturing Process or Services:

Type and Amount of Raw Materials Used Per Year:

Type and Amount of Finished Products Per Year:

Process Description:

Sources of Wastewaters:

Degree of Wastewater Treatment if any:

Unusual Contaminants in Wastewater (pesticides, chlorinated hydrocarbons, heavy metals, toxicants, Mercury, phenol, radioactivity, etc.)

APPENDIX 4
TYPICAL SAMPLING IDENTIFICATION TAG

APPENDIX 4

O'BRIEN & GERE
 Syracuse, New York 13201
 (315) 451-4700

PROJ. NO.	1115235517				SEQ. NO.	SAMPLE NO. 23925													
	1	10	13		14	18													
SAMPLE DATE	081773	SAMPLE TIME	1000	USE 24 HOUR CLOCK															
	19	24	25	28															
SAMPLE IDENTIFICATION	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">IND.</td> <td style="width: 25%;">SEW</td> <td style="width: 25%;">SIC</td> <td style="width: 25%;">EN. CO.</td> </tr> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> <tr> <td>105</td> <td>2347</td> <td></td> <td>1</td> </tr> </table>							IND.	SEW	SIC	EN. CO.	1	2	3	4	105	2347		1
IND.	SEW	SIC	EN. CO.																
1	2	3	4																
105	2347		1																
SAMPLE TYPE	1	REMARKS 30 CHAR.																	
	45	47	48	49	50	51	52												
COLLECTED BY	XYZ		AFTER ANALYSIS	DISCARD	HOLD UNTIL														
	78	80																	
NOTES:																			

APPENDIX 5
ANALYSIS REQUIREMENTS BY SIC

APPENDIX 5

PAGE 1

1 17 TALK	BOD5	COD-M	TS	TDS	TSS	VS	NH3N	TKN	NO3N	T-IP	PH	COLOR	SCOND	NO2N	O-P	PEST
7 12 TALK	BOD5	COD-M	TS	TDS	TSS	VS	NH3N	TKN	NO3N	T-IP	PH					
9 12 TALK	BOD5	COD-M	TS	TDS	TSS	VS	NH3N	TKN	NO3N	T-IP	PH					
12 18 TALK	BOD5	COD-M	TS	TDS	TSS	VS	NH3N	TKN	NO3N	T-IP	PH	COLOR	ODOR	NO2N	TOC	O-P F-COLI
20 12 TALK	BOD5	COD-M	TS	TDS	TSS	VS	NH3N	TKN	NO3N	T-IP	PH					
22 23 TALK	BOD5	COD-M	TS	TDS	TSS	VS	NH3N	TKN	NO3N	T-IP	PH	COLOR	SCOND	TURB	CL	SO4 S O-P CR NO2N PHENOL TOX
23 18 TALK	BOD5	COD-M	TS	TDS	TSS	VS	NH3N	TKN	NO3N	T-IP	PH	COLOR	SCOND	CL	S	O-P CR
24 12 TALK	BOD5	COD-M	TS	TDS	TSS	VS	NH3N	TKN	NO3N	T-IP	PH					
26 35 TALK	BOD5	COD-M	TS	TDS	TSS	VS	NH3N	TKN	NO3N	T-IP	PH	COLOR	ODOR	SCOND	T-ACID O&G CL BR SO4 S SO3 PHENOL TOC O-P NA CU PB HG ZN NI CR-HEX T-COLI TOX CR	
29 20 TALK	BOD5	COD-M	TS	TDS	TSS	VS	NH3N	TKN	NO3N	T-IP	PH	COLOR	ODOR	O&G	CL	SO4 S PHENOL O-P
32 22 TALK	BOD5	COD-M	TS	TDS	TSS	VS	NH3N	TKN	NO3N	T-IP	PH	T-ACID	O&G	CL	SO4 S PHENOL ORGN TOC O-P CR	
33 12 TALK	BOD5	COD-M	TS	TDS	TSS	VS	NH3N	TKN	NO3N	T-IP	PH					
34 12 TALK	BOD5	COD-M	TS	TDS	TSS	VS	NH3N	TKN	NO3N	T-IP	PH					
35 12 TALK	BOD5	COD-M	TS	TDS	TSS	VS	NH3N	TKN	NO3N	T-IP	PH					
36 30 TALK	BOD5	COD-M	TS	TDS	TSS	VS	NH3N	TKN	NO3N	T-IP	PH	T-ACID	CL	BR	CN	SO4 S TOC CR CU FE PB MN MG HG ZN AL NI RADIO
37 22 TALK	BOD5	COD-M	TS	TDS	TSS	VS	NH3N	TKN	NO3N	T-IP	PH	T-ACID	O&G	CL	SO4 S PHENOL ORGN TOC O-P MN	
49 12 TALK	BOD5	COD-M	TS	TDS	TSS	VS	NH3N	TKN	NO3N	T-IP	PH					
72 18 TALK	BOD5	COD-M	TS	TDS	TSS	VS	NH3N	TKN	NO3N	T-IP	PH	COLOR	ODOR	NO2N	TOC O-P F-COLI	
98 18 TALK	BOD5	COD-M	TS	TDS	TSS	VS	NH3N	TKN	NO3N	T-IP	PH	COLOR	ODOR	NO2N	TOC O-P F-COLI	
201 19 TALK	BOD5	COD-M	TS	TDS	TSS	VS	NH3N	TKN	NO3N	T-IP	PH	COLOR	ODOR	O&G	NO2N O-P F-COLI CL	

202 17 TALK BOD5 COD-M TS TDS TSS VS NH3N TKN NO3N T-IP PH COLOR ODOR T-ACID NO2N O-P
203 18 TALK BOD5 COD-M TS TDS TSS VS NH3N TKN NO3N T-IP PH ODOR SCOND O&G CL NO2N F-COLI
204 22 TALK BOD5 COD-M TS TDS TSS VS NH3N TKN NO3N T-IP PH COLOR SCOND TURB O&G CL NO2N ORGN TOC
O-P F-COLI
206 14 TALK BOD5 COD-M TS TDS TSS VS NH3N TKN NO3N T-IP PH COLOR O-P
207 16 TALK BOD5 COD-M TS TDS TSS VS NH3N TKN NO3N T-IP PH COLOR SCOND CL O-P
208 17 TALK BOD5 COD-M TS TDS TSS VS NH3N TKN NO3N T-IP PH COLOR ODOR SCOND O-P CL
209 17 TALK BOD5 COD-M TS TDS TSS VS NH3N TKN NO3N T-IP PH COLOR O&G CL O-P TOC
242 14 TALK BOD5 COD-M TS TDS TSS VS NH3N TKN NO3N T-IP PH COLOR TOC
281 36 TALK BOD5 COD-M TS TDS TSS VS NH3N TKN NO3N T-IP PH TURB SO4 S O-P CL F PHENOL TOC AL NA
CA CD CN CR CU FE PB MN NI ZN HG NO2N ORGN TOX
282 23 TALK BOD5 COD-M TS TDS TSS VS NH3N TKN NO3N T-IP PH COLOR ODOR TURB T-ACID CL CN SO4 S
PHENOL CLORHC TOX
283 21 TALK BOD5 COD-M TS TDS TSS VS NH3N TKN NO3N T-IP PH COLOR ODOR TURB T-ACID CL CN S PHENOL
CLORHC
284 30 TALK BOD5 COD-M TS TDS TSS VS NH3N TKN NO3N T-IP PH COLOR ODOR SCOND TURB O&G CL CN SO4 S
PHENOL TOC O-P MN CA F-COLI DO CLORHC SURF
285 39 TALK BOD5 COD-M TS TDS TSS VS NH3N TKN NO3N T-IP PH COLOR ODOR TURB T-ACID O&G CL CN SO4 S
PHENOL TOC CR CU FE CO PB MN HG ZN AL CO TI MO CLORHC CRO4 BA NI
331 33 TALK BOD5 COD-M TS TDS TSS VS NH3N TKN NO3N T-IP PH COLOR T-ACID O&G CL CN SO4 S PHENOL TOC
CR FE ZN NI SN TURB PB CU CO HG AS F
332 22 TALK BOD5 COD-M TS TDS TSS VS NH3N TKN NO3N T-IP PH COLOR O&G TOC CR FE TURB F CD MG AS
333 12 TALK BOD5 COD-M TS TDS TSS VS NH3N TKN NO3N T-IP PH
334 23 TALK BOD5 COD-M TS TDS TSS VS NH3N TKN NO3N T-IP PH O&G O-P CR CL PB ZN AL F CD HG AS
336 23 TALK BOD5 COD-M TS TDS TSS VS NH3N TKN NO3N T-IP PH O&G TOC CR CU PB ZN AL F CD HG AS
347 21 TALK BOD5 COD-M TS TDS TSS VS NH3N TKN NO3N T-IP PH CL CN SO4 S CR CU CD AL NI

491	17	TALK	BOD5	COD-M	TS	TDS	TSS	VS	NH3N	TKN	NO3N	T-IP	PH	CL	CR	ZN	RADIO	S04		
2031	12	TALK	BOD5	COD-M	TS	TDS	TSS	VS	NH3N	TKN	NO3N	T-IP	PH							
2036	18	TALK	BOD5	COD-M	TS	TDS	TSS	VS	NH3N	TKN	NO3N	T-IP	PH	ODOR	SCOND	O&G	CL	NO2N	F-COLI	
2432	15	TALK	BOD5	COD-M	TS	TDS	TSS	VS	NH3N	TKN	NO3N	T-IP	PH	COLOR	TOC	PHENOL				
2491	25	TALK	BOD5	COD-M	TS	TDS	TSS	VS	NH3N	TKN	NO3N	T-IP	PH	COLOR	ODOR	T-ACID	O&G	CL	S04 PHENOL NO2N	
					TCC	D-P	CR	CU	HG											
2499	14	TALK	BOD5	COD-M	TS	TDS	TSS	VS	NH3N	TKN	NO3N	T-IP	PH	TOC	D-P					
2818	37	TALK	BOD5	COD-M	TS	TDS	TSS	VS	NH3N	TKN	NO3N	T-IP	PH	COLOR	ODOR	TURB	T-ACID	O&G	D-P CL F CN	
					S04	S	PHENOL	CLORHC	ORGN	TOC	CR	CU	FE	CD	PB	MN	MG	HG	ZN	TOX
2871	33	TALK	BOD5	COD-M	TS	TDS	TSS	VS	NH3N	TKN	NO3N	T-IP	PH	COLOR	TURB	T-ACID	S	NO2N	ORGN D-P CR CU	
					FE	CD	PB	MN	MG	HG	HG	ZN	AL	F	NI	RADIO	CL			
2879	33	TALK	BOD5	COD-M	TS	TDS	TSS	VS	NH3N	TKN	NO3N	T-IP	PH	COLOR	ODOR	TURB	T-ACID	CL	CN S PHENOL	
					CLORHC	TOC	CR	CU	FE	CD	PB	MN	MG	HG	ZN	AL	TOX			
2891	19	TALK	BOD5	COD-M	TS	TDS	TSS	VS	NH3N	TKN	NO3N	T-IP	PH	T-ACID	O&G	PHENOL	ORGN	TOC	D-P CLORHC	
2892	34	TALK	BOD5	COD-M	TS	TDS	TSS	VS	NH3N	TKN	NO3N	T-IP	PH	COLOR	SCOND	T-ACID	CL	BR	S04 S NO2N D-P	
					CR	CU	FE	CD	PB	MN	MG	HG	ZN	F	AL	B	BE			
3011	23	TALK	BOD5	COD-M	TS	TDS	TSS	VS	NH3N	TKN	NO3N	T-IP	PH	COLOR	ODOR	T-ACID	O&G	CL	S04 PHENOL ORGN	
					TCC	CR	TOX													
3011	23	TALK	BOD5	COD-M	TS	TDS	TSS	VS	NH3N	TKN	NO3N	T-IP	PH	COLOR	ODOR	T-ACID	O&G	CL	S04 PHENOL ORGN	
					TCC	CR	TOX													
3060	23	TALK	BOD5	COD-M	TS	TDS	TSS	VS	NH3N	TKN	NO3N	T-IP	PH	COLOR	ODOR	T-ACID	O&G	CL	S04 PHENOL ORGN	
					TCC	CR	TOX													
3079	23	TALK	BOD5	COD-M	TS	TDS	TSS	VS	NH3N	TKN	NO3N	T-IP	PH	O&G	CL	S04	ORGN	TOC	CR TOXICITY CLORHC	
					O-P	S	TOX													
8888	34	TALK	BOD5	COD-M	TS	TDS	TSS	VS	NH3N	TKN	NO3N	T-IP	PH	SCOND	TURB	CL	BR	S04	S NO2N D-P CR CU	
					FE	CD	PB	MN	MG	HG	HG	ZN	F	AL	NI	O&G	RADIO			

APPENDIX 6
TYPICAL BILLING FORM FOR INDUSTRIES

APPENDIX 6

ESTIMATE OF ANNUAL COSTS FOR WASTEWATER TREATMENT FOR

WIDGET MANUFACTURING COMPANY
0000 FARAWAY PLACE
SYRACUSE, NEW YORK 13201
ATTN - I. PROCRASTINATE

	DEBT RETIREMENT	OPERATION AND MAINTENANCE	TOTAL
LEY CREEK	123.73	99.47	223.20
METRO	63.14	29.89	93.03
TOTAL ESTIMATED LOCAL CHARGES	186.87	129.36	316.23
FEDERAL AID REPAYMENT FOR	METRO		130.56
TOTAL ESTIMATED COSTS FOR WASTEWATER TREATMENT			446.79

NOTE - TAXES OR SERVICE CHARGES FOR THE ABOVE TREATMENT SERVICES WILL BE CREDITED AGAINST THE TOTAL LOCAL CHARGES ONLY. THE FEDERAL AID REPAYMENT WILL BE COLLECTED PER FEDERAL REQUIREMENTS.

BASIS FOR COST COMPUTATION -

	FLOW RATE MGD	BOD5 LBS/DAY	SUSPENDED SOLIDS LBS/DAY
LEY CREEK	17.3100	69883.	48622.
WIDGET MANUFACTURING COMPANY	0.0065	2.	16.
METRO	72.0000	123699.	108687.
WIDGET MANUFACTURING COMPANY	0.0065	1.	4.

APPENDIX 7
ANALYTICAL RESULTS BY INDUSTRY NUMBER

APPENDIX 7

115235517

REPORT PRINTED 8/15/74 PAGE 1 - 1

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

IND	SEW	SAMP	TYPE	SIC	ENCO	DATE	TIME	FLOWRATE	FDURAT	PH	BODS	COD-M	TOC	TS
3	1	9196	1	34	2	7/13/73	1545	0.0102	8.0	7.7	16.0	84.	23.	472.0
3	2	9197	1	34	2	7/13/73	1545	0.0084	8.0	11.2	14.0	121.	80.	5228.0
3	3	9198	1	34	2	7/13/73	1545	0.0009	8.0	2.3	310.0	533.	270.	1096.0
3	4	9953	0	34	2	9/12/73	1615			13.5	73.0	194.	1610.	136572.0
4	1	8785	1	203	3	6/14/73	1600	0.0280		6.9	235.0	235.	141.	443.0
4	1	8787	1	203	3	6/13/73	1600	0.0280		5.8	94.0	860.	820.	2085.0
4	2	8786	1	203	3	6/13/73	1600	0.0033	8.0	6.8	19.0	149.	72.	725.0
4	2	13373	1	203	3	10/10/73	1615	0.4500	8.0	6.5	30.0	492.	164.	880.0
4	2	13629	1	203	3	10/18/73	2400	0.2700	8.0	7.2	54.0	402.	25.	2196.0
4	2	13630	1	203	3	10/19/73	800	0.1800	8.0	6.2	79.0	5670.	3600.	4152.0
5	1	9703	1	283	1	8/23/73	1100	0.1700	24.0	6.5	237.0	247.	93.	1262.0
5	1	9721	1	283	1	8/24/73	1600	0.1700	24.0	3.3	42.0	58.	38.	740.0
5	2	9704	0	283	1	8/23/73	1130	0.0040	24.0	7.4	11.0	21.	16.	235.0
5	3	9684	1	283	1	8/22/73	1100	0.0120	24.0	7.2	35.0	39.	15.	223.0
5	3	9688	1	283	1	8/21/73	1100	0.0120	24.0	7.2	181.0	103.		245.0
5	4	9685	1	283	1	8/22/73	1100	0.0250	24.0	7.4	63.0	68.	11.	703.0
5	4	9705	1	283	1	8/23/73	1030	0.0250	24.0	7.2	16.0	21.	18.	740.0
5	5	9215	1	283	1	7/18/73	1000	1.0500	8.0	3.7	2250.0	5165.	4300.	8547.0
5	5	9216	1	283	1	7/18/73	1100	1.0700	8.0	10.0	2250.0	10180.	5200.	12184.0
5	5	9217	1	283	1	7/18/73	1200	1.1600	8.0	10.5	2280.0	3674.	3200.	7548.0
5	5	9229	1	283	1	7/19/73	1200	1.0600	8.0	6.8	930.0	2710.	1850.	4672.0
5	5	9230	1	283	1	7/19/73	1300	1.1200	8.0	6.5	3300.0	3180.	2800.	6800.0
5	5	9231	1	283	1	7/19/73	1400	1.1200	8.0	6.8	3700.0	16450.	3700.	9360.0
5	5	13833	1	283	0	1/18/73	1200	0.9100				5674.0		
5	5	13834	1	283	0	2/21/73	1200	1.0900				6693.0		
5	5	13835	1	283	0	2/22/73	1200	1.1600				6058.0		
5	5	13836	1	283	0	3/15/73	1200	1.3300						
5	5	13837	1	283	0	4/12/73	1200	1.2400				6190.0		
5	5	13838	1	283	0	5/ 9/73	1200	1.1200				4900.0		
5	5	13839	1	283	0	5/10/73	1200	1.2200				6110.0		
5	5	13840	1	283	0	6/20/73	1200	1.2600				4255.0		
5	5	13841	1	283	0	6/21/73	1200	1.2000				4370.0		
5	5	13842	1	283	0	7/18/73	1200	1.0900				5025.0		
5	5	13843	1	283	0	7/19/73	1200	1.1000				3180.0		
5	5	13844	1	283	0	8/22/73	1200	1.1100				4160.0		
5	5	13845	1	283	0	8/23/73	1200	1.1900				4195.0		
5	5	13846	1	283	0	9/19/73	1200	1.1600				5560.0		
5	5	13848	1	283	0	8/20/73	1200	1.1600				4795.0		
5	5	13849	1	283	0	10/18/73	1200	1.0400				5465.0		
5	5	13850	1	283	0	10/19/73	1200	1.0400				4980.0		
5	6	9706	1	283	1	8/23/73	1000	0.0800	24.0	7.3	58.0	103.	28.	275.0
5	6	9722	1	283	1	8/24/73	1600	0.0800	24.0	3.8	25.0	165.	47.	425.0
5	7	9716	1	283	1	8/23/73	1400	0.2270	24.0	9.1	1800.0	3456.	850.	688.0
5	7	9723	1	283	1	8/24/73	1330	0.1630	24.0	7.7	245.0	757.	165.	802.0
5	9	9687	0	283	1	8/22/73	1600	0.0006	8.0	7.0	97.0	865.		1738.0
6	1	8860	1	35	1	6/18/73	1430	0.0133	9.0	8.8	75.0	144.	96.	682.0

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	VS	TSS	VSS	TDS	VDS	TKN	NH3N	ORGN	NO3N	NO2N	T-IP	O-P
9196	164.0	32.0	28.0	440.0	136.0	9.2	1.26	7.9	0.03	0.015	0.40	0.36
9197	1016.0	630.0	195.0	4598.0	821.0	2.4	0.30	2.1	1.76	0.011	5.10	5.04
9198	428.0	213.0	113.0	883.0	315.0	273.0	99.80	173.2	0.00	0.652	12.00	9.80
9953		1280.0	345.0	135292.0			5.10		2.00			
8785	253.0	265.0	178.0	178.0	75.0	15.1	1.31	13.8	0.00	0.037	3.37	
8787	1725.0	260.0	145.0	1825.0	1580.0	10.2	1.09	9.1	0.02	0.042	12.60	
8786	262.0	625.0	245.0	100.0	17.0	2.8	0.11	2.7	0.00	0.011	0.14	
13373	192.0	88.0	60.0	792.0	132.0	3.7	0.36	3.3	0.03	0.013	0.49	
13629	533.0	134.0	114.0	2062.0	419.0	1.1	0.25	0.9	0.01	0.010	0.11	
13630	3256.0	322.0	282.0	3830.0	2974.0	4.7	0.37	4.3	0.00	0.040	1.16	
9703	388.0	16.0	16.0	1246.0	372.0	4.0	0.00	4.0	0.00	0.011	1.30	
9721	153.0	93.3	93.3	646.7	59.7	3.3	0.00	3.3	0.00	0.006	1.72	
9704	40.0	13.0	8.6	222.0	31.4	0.0	0.00	0.0	0.16	0.000	0.01	
9684	83.0	22.0	15.0	201.0	68.0	0.9	0.00	0.9	0.26	0.011	0.06	
9688	55.0	32.0	10.0	213.0	45.0	0.9	0.00	0.9	0.00	0.000	0.03	
9685	187.0	31.0	20.0	672.0	167.0	1.9	0.00	1.9	0.29	0.021	3.51	
9705	200.0	30.0	16.0	710.0	184.0	2.0	0.11	1.9	0.30	0.021	4.20	
9215	4571.0	2620.0	2595.0	5927.0	1976.0	397.0	152.00	245.0	0.82	0.222	16.70	
9216	7019.0	3700.0	2350.0	8484.0	4669.0	490.0	103.90	386.1	0.77	0.333	31.20	
9217	4500.0	1230.0	670.0	6318.0	3830.0	280.0	81.30	198.7	0.83	0.222	29.10	
9229	3056.0	1250.0	890.0	3422.0	2166.0	222.0	101.00	121.0	0.00	0.102	19.50	
9230	4240.0	1640.0	1280.0	5160.0	2960.0	290.0	51.50	238.5	0.00	0.204	19.50	
9231	5512.0	2980.0	2180.0	6380.0	3332.0	364.0	85.70	278.3	0.01	0.255	19.50	
13833		3685.0					0.0					
13834		4046.0					0.0					
13835		4368.0					0.0					
13836		4090.0					0.0					
13837		2318.0					0.0					
13838		2370.0					0.0					
13839		2975.0					0.0					
13840		2490.0					0.0					
13841		2270.0					0.0					
13842		3400.0					0.0					
13843		2250.0					0.0					
13844		3170.0					0.0					
13845		3205.0					0.0					
13846		2660.0					0.0					
13848		2900.0					0.0					
13849		3480.0					0.0					
13850		3070.0					0.0					
9706	60.0	24.2	18.4	250.8	41.6	9.9	1.41	8.5	0.00	0.077	2.01	
9722	172.0	151.0	109.0	274.0	63.0	5.6	0.66	4.9	0.00	0.011	3.13	
9716	125.0	60.0	32.0	628.0	93.0	42.3	42.30	0.0	0.09	0.082	2.04	
9723	270.0	209.0	115.0	593.0	155.0	5.1	2.30	2.8	0.05	0.089	0.78	
9687	905.0	785.0	665.0	953.0	240.0	27.1	21.80	5.3	0.00	0.005	3.61	
8860	277.0	76.0	48.0	606.0	229.0	98.0	36.30	61.7	0.46	0.079	4.42	4.40

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	TI	ZN	PHENOL	O&G	SURF	SCOND	COLOR	ODOR	TURB	T-COLI	F-COLI
9196		0.078	0.040	31.	581.	40.	1.		215000.		
9197		0.232	0.010	24.	2550.	500.	1.		0.		
9198		0.115	0.050	37.	1561.	200.	2.		7750000.		
9953											
8785				178.	320.		2.			11000000.	
8787				102.	400.		1.			5550000.	
8786				240.	510.		1.			5700.	
13373				37.	793.		1.			3300000.	
13629				14.	2000.		1.			64000.	
13630				112.	1150.		2.			45000.	
9703			0.370			65.	2.	19.			
9721			0.000			30.	1.	16.			
9704			0.000			5.	0.	9.			
9684			0.000			50.	2.	13.			
9688			0.040			30.	1.	17.			
9685			0.010			150.	1.	33.			
9705			0.000			80.	1.	24.			
9215			1.150			3000.	4.	2450.			
9216			0.680			6000.	4.	2750.			
9217			0.850			3000.	4.	1450.			
9229			0.670			3000.	4.	360.			
9230			0.510			3000.	4.	870.			
9231			0.670			4000.	4.	1900.			
13833											
13834											
13835											
13836											
13837											
13838											
13839											
13840											
13841											
13842											
13843											
13844											
13845											
13846											
13848											
13849											
13850											
9706			0.230			80.	1.	19.			
9722			0.100			30.	1.	24.			
9716			0.390			30.	1.	36.			
9723			0.160			5.	0.	25.			
9687			0.360			300.	3.	210.			

8860

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

IND	SEW	SAMP	TYPE	SIC	ENCO	DATE	TIME	FLOWRATE	FDURAT	PH	BOD5	COD-M	TOC	TS
7	1	8740	1	208	1	6/11/73	1400	0.0108	8.0	12.2	3800.0	5200.	4180.	7495.0
8	1	9211	1	35	1	7/17/73	1300	0.2380	24.0	7.2	52.0	146.	52.	750.0
8	1	9224	1	35	1	7/18/73	1400	0.3770	24.0	6.2	67.0	266.	101.	956.0
8	2	9253	1	35	1	7/24/73	1030	0.1430	24.0	7.1	133.0	157.	408.0	
8	2	9264	1	35	1	7/20/73	1400	0.1430	24.0	7.2	24.0	38.	27.	316.0
8	3	9213	0	35	1	7/17/73	1530	0.0180	24.0	8.1	144.0	257.		1440.0
8	3	9225	1	35	1	7/18/73	1600	0.0180	24.0	7.4		216.	134.	85.0
9	1	8892	1	336	1	6/20/73	1530	0.0278	24.0	7.1	25.0	167.	41.	802.0
9	2	8893	1	336	1	6/20/73	1530	0.0031	24.0	7.7	1.0	17.	17.	980.0
10	1	9837	1	37	1	9/12/73	1100	1.0770	24.0	6.6	247.0	1550.	830.	1430.0
10	1	9963	1	37	1	9/13/73	1100	0.4180	24.0	7.8	175.0	981.	460.	1087.0
10	1	13208	1	37	1	9/14/73	1100	0.8700	24.0	6.9	212.0	1736.	95.	1188.0
10	2	9746	0	37	1	8/27/73	1400			6.7	224.0	854.	823.	1468.0
10	2	9747	0	37	1	8/28/73	410			6.8	378.0	1126.	1054.	1740.0
10	2	9749	0	37	1	8/29/73	700			6.1	520.0	1476.	660.	1645.0
10	2	9772	0	37	1	8/29/73	1500			6.8	260.0	1320.	940.	1918.0
10	2	9773	0	37	1	8/29/73	700			6.8	440.0	2680.	1450.	2400.0
10	2	9838	0	37	1	9/10/73	700			6.6	145.0	2680.	910.	2008.0
10	2	9839	0	37	1	9/10/73	1600			6.8	730.0	932.	470.	1423.0
10	2	9840	0	37	1	9/10/73	200			6.3	510.0	2524.	1250.	2542.0
10	2	9841	0	37	1	9/11/73	1545			6.7	420.0	2097.	1130.	2198.0
10	2	9964	0	37	1	9/12/73	2000			6.9	380.0	3384.	1450.	2853.0
10	2	9965	0	37	1	9/13/73	1030			6.9	390.0	273L.	1170.	2590.0
12	1	9037	1	26	2	7/ 5/73	1545	0.0006	16.5	7.7	87.0	133.	58.	353.0
12	2	9038	1	26	2	7/ 5/73	1545	0.0000	16.5	8.0	115.0	242.	76.	595.0
13	1	8989	1	26	2	6/28/73	1600	0.0288	10.0	9.5	6.0	18950.	1770.	8275.0
13	1	8990	1	26	2	6/29/73	200	0.0288	10.0	9.0	5.0	10880.	1700.	11645.0
14	1	9275	1	209	1	7/26/73	1000	0.0220	24.0	6.7	1020.0	1384.	220.	1628.0
14	1	9318	1	209	1	7/27/73	1000	0.0220	24.0	7.3	1410.0	1225.	247.	1568.0
15	1	9648	1	209	1	8/15/73	900	0.0180	8.0	7.5	300.0	950.	349.	1950.0
15	1	9661	1	209	1	8/16/73	1600	0.0180	8.0	6.9	930.0	1709.	960.	2377.0
16	1	9659	1	36	1	8/16/73	1600	0.2710	24.0	6.8	131.0	380.	137.	458.0
16	1	9675	1	36	1	8/21/73	1000	0.2710	24.0	7.2	74.0	196.	33.	430.0
18	1	9701	1	202	1	8/23/73	1130	0.2600		4.0	210.0	1895.	1210.	1210.0
18	1	9714	1	202	1	8/24/73	1100	0.2600		4.4	850.0	1320.	480.	1040.0
19	1	8724	0	209	3	6/ 8/73	1500	0.0022	8.0	7.0	540.0	572.	432.	735.0
20	1	9239	1	34	2	7/20/73	1600	0.0330	8.0	7.0	4.0	9.	7.	456.0
20	2	9246	0	34	2	7/23/73	1100			7.2	504.0	1474.	580.	1172.0

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	VS	TSS	VSS	TDS	VDS	TKN	NH3N	ORGN	NO3N	NO2N	T-IP	O-P
8740	7273.0	39.0	30.0	7456.0	7243.0	6.7	0.45	6.2	0.00	0.028	1.29	0.91
9211	211.0	197.0	85.0	553.0	126.0	9.5	2.85	6.7	1.45	0.474	13.70	
9224	75.0	140.0	70.0	816.0	5.0	9.5	2.10	7.4	0.63	0.737	16.70	
9253	124.0	64.0	36.0	344.0	88.0	7.7	0.60	7.1	0.13	0.011	4.93	
9264	156.0	84.0	60.0	232.0	96.0	3.9	1.76	2.1	0.01	0.023	3.89	
9213	840.0	372.0	287.0	1068.0	553.0	81.0	29.30	51.7	0.09	0.099	5.00	
9225	70.0					79.0	28.80	50.2	0.09	0.111	6.40	
8892	152.0	520.0	30.0	282.0	122.0	7.4	0.42	7.0	0.00	0.079	0.31	
8893	165.0	250.0	60.0	730.0	105.0	1.6	0.50	1.1	0.00	0.026	0.00	
9837	663.0	1040.0	581.0	390.0	82.0	18.7	16.10	2.6	0.00	0.128	9.60	2.59
9963	362.0	470.0	342.0	617.0	20.0	25.0	25.00	0.0	0.02	0.033	6.37	1.54
13208	440.0	372.0	107.0	816.0	333.0	12.2	10.40	1.8	0.00	0.017	7.10	2.41
9746	743.0	820.0	673.0	648.0	70.0	2.1	1.65	0.5	0.03	0.051	27.40	25.70
9747	1501.0	1648.0	1409.0	92.0	92.0	2.5	0.23	2.3	0.04	0.384	2.40	2.41
9749	730.0	962.0	722.0	683.0	8.0	10.4	7.16	3.2	0.03	0.249	3.99	3.54
9772	820.0	1087.0	817.0	831.0	3.0	4.4	4.37	0.0	0.00	0.037	23.60	23.60
9773	1193.0	1533.0	1180.0	867.0	13.0	5.0	5.03	0.0	0.00	0.086	13.10	12.90
9838	983.0	1560.0	756.0	448.0	227.0	4.3	2.88	1.4	0.00	0.466	3.37	2.57
9839	363.0	845.0	332.0	578.0	31.0	2.1	2.05	0.1	0.02	0.028	5.11	3.28
9840	1220.0	2060.0	980.0	482.0	240.0	3.9	3.16	0.7	0.14	0.055	18.00	10.90
9841	800.0	1560.0	770.0	638.0	30.0	6.2	5.10	1.1	0.22	0.887	23.60	15.10
9964	1893.0	2180.0	1850.0	673.0	43.0	13.1	13.10	0.0	0.01	1.590	18.10	7.50
9965	1115.0	1640.0	1000.0	950.0	115.0	4.5	1.79	2.7	0.00	1.150	25.90	10.40
9037	167.0	12.0	10.0	341.0	157.0	25.7	5.69	20.0	1.40	0.189	1.34	2.22
9038	303.0	7.0	5.0	588.0	298.0	31.5	8.90	22.6	0.93	0.122	1.34	1.34
8989	6235.0	2280.0	2110.0	5995.0	4125.0	78.0	24.00	54.0	0.00	2.720	83.00	39.80
8990	9063.0	5700.0	4430.0	5945.0	4633.0	120.0	91.80	28.2	2.96	5.440	31.20	27.00
9275	652.0	292.0	108.0	1336.0	544.0	49.0	19.40	29.6	0.00	0.086	11.70	8.50
9318	820.0	260.0	168.0	1308.0	652.0	43.5	20.70	22.8	0.00	0.063	11.80	10.20
9648	1015.0	1000.0	776.0	950.0	239.0	39.1	17.30	21.8	0.00	0.033	0.98	0.98
9661	1238.0	1010.0	810.0	1367.0	428.0	58.0	27.10	30.9	0.29	0.059	3.40	3.39
9659	230.0	377.0	214.0	81.0	16.0	2.9	1.11	1.8	0.56	0.197	2.23	
9675	72.0	84.0	53.0	346.0	19.0	2.7	0.30	2.4	1.62	0.221	4.56	
9701	923.0	412.0	400.0	798.0	523.0	35.9	2.24	33.7	0.18	0.060	16.80	13.80
9714	635.0	680.0	630.0	360.0	5.0	19.1	1.25	17.9	0.09	0.024	17.50	13.80
8724	348.0	135.0	110.0	600.0	238.0	49.0	4.03	45.0	0.52	0.016	3.83	1.31
9239	116.0	92.0	76.0	364.0	40.0	0.3	0.12	0.2	0.21	0.009	31.30	
9246	680.0	356.0	228.0	816.0	452.0	10.4	0.39	10.0	0.27	0.027	0.49	

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

IND	SEW	SAMP	TYPE	SIC	ENCO	DATE	TIME	FLOWRATE	FDURAT	PH	RDS5	COD-M	TDC	TS
23	1	15448	0	283	1	3/15/74	1200	0.0250		4.5	31001.0	657658.	270000.	154831.8
23	2	15449	0	283	1	3/15/74	1200	0.0250		4.0	21601.0	135135.	47000.	114560.0
23	3	15450	0	283	1	3/15/74	1200	0.0250		4.5	54001.0	151351.	48000.	107659.9
24	1	8870	1	26	2	6/19/73	930	0.0030	8.0	7.4	56.0	87.	75.	600.0
25	1	9226	1	34	2	7/19/73	1600	0.0030	8.0	7.0	383.0	398.	143.	412.0
27	1	8934	0	36	1	6/25/73	1600	0.0360	8.0	7.1	10.0	178.	63.	390.0
27	1	8946	0	36	1	6/26/73	1530	0.0360	8.0	7.3	13.1	60.	55.	375.0
27	2	8935	0	36	1	6/25/73	1600	0.0140	24.0	6.8	54.0	262.	85.	578.0
27	2	8947	0	36	1	6/26/73	1530	0.0140	24.0	7.4	22.0	87.	45.	305.0
27	3	8936	0	36	1	6/25/73	1600	0.0840	8.0	6.9	129.0	505.	119.	670.0
27	3	8948	0	36	1	6/26/73	1530	0.0840	8.0	6.0	280.0	699.	307.	940.0
27	4	8937	0	36	1	6/25/73	1600	0.0450	8.0	7.6	16.0	271.	74.	497.0
27	4	8949	1	36	1	6/26/73	1530	0.0450	8.0	7.4	22.0	117.	31.	330.0
27	5	8938	0	36	1	6/25/73	1600	0.0180	24.0	7.6	350.0	467.	146.	9833.0
27	5	8950	0	36	1	6/26/73	1530	0.0180	24.0	7.3	80.0	272.	82.	712.0
27	6	8939	0	36	1	6/25/73	1600	0.0030	24.0	7.3	252.0	692.	175.	1245.0
27	6	8951	0	36	1	6/26/73	1530	0.0030	24.0	7.9	185.0	738.	157.	2675.0
27	7	8940	0	36	1	6/25/73	1600	0.0160	24.0	7.8	3.8	75.	30.	315.0
27	7	8952	0	36	1	6/26/73	1530	0.0160	24.0	7.6	11.0	78.	51.	368.0
27	8	8953	1	36	1	6/26/73	1530	0.1250	24.0	9.5	2.0	37.	33.	377.0
27	8	8970	1	36	1	6/27/73	930	0.1250	24.0	9.9	7.3	83.	31.	323.0
27	9	8971	1	36	1	6/27/73	1600	0.0030	24.0	7.3	38.0	128.	42.	350.0
27	9	8984	1	36	1	6/28/73	1600	0.0030	24.0	7.0	23.0	118.	49.	470.0
27	10	8995	1	36	1	6/29/73	1530	0.0330	24.0	6.9	57.0	70.	37.	1432.0
27	10	9163	1	36	1	7/13/73	1000	0.0330	24.0	6.9	2.1	103.	11.	808.0
27	11	8985	0	36	1	6/28/73	1600	0.0180	8.0	7.8	36.0	82.	32.	612.0
27	11	8996	0	36	1	6/29/73	1530	0.0180	8.0	8.3	37.0	96.	39.	288.0
27	12	8986	0	36	1	6/28/73	1600	0.0390	8.0	6.9	222.0	464.	200.	910.0
27	12	8998	0	36	1	6/29/73	1530	0.0390	8.0	8.2	95.0	325.	91.	585.0
27	13	8987	0	36	1	6/28/73	1600	0.0300	8.0	8.2	130.0	445.	254.	955.0
27	13	8997	0	36	1	6/29/73	1530	0.0300	8.0	8.4	117.0	368.	89.	642.0
27	14	8988	0	36	1	6/28/73	1600	0.0270	8.0	8.7	150.0	945.	101.	765.0
27	14	8999	0	36	1	6/29/73	1530	0.0270	8.0	8.4	318.0	386.	290.	870.0
28	1	9742	1	37	1	8/30/73	1200	0.3000	24.0	7.5	21.0	63.	52.	235.0
28	1	9771	1	37	1	8/31/73	1130	0.2200	24.0	7.0	6.9	63.	42.	313.0
29	1	9820	1	347	3	9/11/73	1035	0.1390	24.0	9.5	15.0	39.	34.	622.0
29	2	9821	1	347	3	9/11/73	1030	0.0847	17.0	7.5	3.2	10.	5.	1730.0
30	0	8756	0	35	1	6/13/73	1220	0.0001	8.0	7.1	1.7	67.	41.	1090.0
30	1	8852	1	35	1	6/15/73	1530	0.0288	8.0	8.7	114.0	322.	70.	865.0
31	1	8687	0	34	1	6/ 5/73	1500			7.6	4.0	18.	5.	252.0
31	1	8725	1	34	1	6/ 8/73	1300	0.0067	9.0	8.7	33.0	120.	91.	383.0
33	1	9537	1	35	1	8/ 9/73	1000	0.1350	24.0	6.1	26.0	107.	69.	465.0

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	VS	TSS	VSS	TDS	VDS	TKN	NH3N	ORCN	NO3N	NO2N	T-IP	O-P
15448	154443.3	312.0	214.0	154519.8	154229.3	2437.9	86.72	2351.2	4.62	0.574	1.20	
15449	90398.0	179.0	173.0	114381.0	90225.0	16806.9	13531.35	3275.6	0.25	0.144	114.20	
15450	81931.7	484.0	332.0	107175.9	81599.7	16097.0	13878.47	2218.5	0.06	0.195	117.20	
8870	290.0	100.0	66.0	500.0	224.0	62.0	9.16	52.8	0.29	0.029	4.02	4.00
9226	156.0	48.0	42.0	364.0	114.0	7.7	1.02	6.7	0.01	0.020	0.22	
8934	158.0	176.0	108.0	214.0	50.0	24.4	3.51	20.9	0.15	0.042	1.80	
8946	165.0	102.0	44.0	273.0	121.0	20.1	1.88	18.2	0.50	0.026	1.55	
8935	262.0	308.0	84.0	270.0	178.0	24.6	2.82	21.8	0.00	0.053	1.50	
8947	110.0	80.0	52.0	225.0	58.0	11.3	1.07	10.2	0.42	0.016	1.19	
8936	435.0	320.0	260.0	350.0	175.0	58.0	16.30	41.7	0.00	0.106	4.12	
8948	665.0	242.0	182.0	698.0	483.0	58.0	8.00	50.0	0.02	0.125	3.53	
8937	293.0	238.0	96.0	259.0	197.0	34.7	6.78	27.9	0.16	0.100	1.94	
8949	108.0	29.0	10.0	301.0	98.0	29.3	12.80	16.5	0.41	0.066	0.86	
8938	633.0	8750.0	496.0	1083.0	137.0	3.5	2.93	0.6	0.00	0.227	2.61	
8950	280.0	530.0	200.0	182.0	80.0	9.7	2.06	7.6	0.03	0.191	0.06	
8939	533.0	630.0	130.0	615.0	403.0	41.0	8.90	32.1	0.07	0.100	1.24	
8951	315.0	2605.0	190.0	70.0	125.0	2.4	0.32	2.1	0.00	0.057	1.34	
8940	128.0	81.0	47.0	234.0	81.0	3.3	0.33	3.0	0.21	0.014	0.21	
8952	125.0	114.0	23.0	254.0	102.0	2.2	0.21	2.0	0.38	0.026	0.20	
8953	125.0	16.0	6.0	361.0	119.0	8.4	0.32	8.1	0.08	0.024	0.55	
8970	95.0	64.0	3.0	259.0	92.0	8.5	0.27	8.2	0.09	0.019	0.83	
8971	185.0	34.0	12.0	316.0	173.0	36.1	5.51	30.6	0.41	0.093	1.97	
8984	202.0	36.0	18.0	434.0	184.0	44.0	4.90	39.1	0.54	0.037	2.12	
8995	310.0	1140.0	170.0	292.0	140.0	4.0	3.94	0.1	1.51	0.174	1.90	
9163	452.0	116.0	30.0	692.0	422.0	2.1	0.78	1.3	0.94	0.070	2.00	
8985	295.0	106.0	46.0	506.0	249.0	33.8	10.40	23.4	0.38	0.084	1.88	
8996	232.0	268.0	232.0	20.0	0.0	46.0	11.50	34.5	0.03	0.056	2.50	
8986	275.0	196.0	152.0	714.0	123.0	101.0	12.70	88.3	0.01	0.045	3.31	
8998	95.0	117.0	93.0	468.0	2.0	98.0	19.10	78.9	0.75	0.045	12.80	
8987	470.0	133.0	60.0	822.0	410.0	169.0	27.80	141.2	0.00	0.060	10.20	
8997	373.0	160.0	150.0	482.0	223.0	58.0	37.70	20.3	0.00	0.127	4.06	
8988	420.0	700.0	420.0	65.0	0.0	113.0	37.50	75.5	0.00	0.351	8.40	
8999	547.0	510.0	410.0	360.0	137.0	102.0	33.90	68.1	0.03	0.191	4.75	
9742	90.0	20.0	17.0	215.0	73.0	5.3	2.50	2.8	0.11	0.034	1.34	1.06
9771	185.0	11.0	3.0	302.0	182.0	4.9	2.58	2.3	0.04	0.049	1.01	0.86
9820	235.0	63.0	33.0	559.0	202.0	15.0	0.17	14.8	0.05	0.399	2.08	
9821	265.0	384.0	114.0	1346.0	151.0	7.5	7.50	0.0	13.71	0.091	0.06	
8756	235.0	236.0	38.0	854.0	197.0	0.0	0.00	0.0	0.12	0.000	0.00	
8852	357.0	180.0	64.0	685.0	293.0	182.0	166.00	16.0	0.01	0.035	16.20	
8687	127.0	2.0	2.0	250.0	125.0	1.0	0.00	1.0	0.26	0.000	0.00	
8725	198.0	23.0	19.0	360.0	179.0	32.1	5.97	26.1	0.39	0.081	2.56	
9537	105.0	27.0	19.0	438.0	86.0	16.9	1.38	15.5	1.25	0.411	0.54	

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

IND	SEW	SAMP	TYPE	SIC	ENCO	DATE	TIME	FLOWRATE	FUDRAT	PH	BOD5	COD-M	TOC	TS
33	1	9569	1	35	1	8/10/73	1200	0.1350	24.0	7.8	43.0	126.	67.	422.0
33	1	13356	1	35	1	10/4/73	1000	0.1350		9.4	66.0	477.	79.	636.0
34	1	8679	1	35	1	6/1/73	1615	0.0600	24.0	7.5	49.0	193.	69.	587.0
37	1	9204	1	347	3	7/16/73	1530	0.0019	8.0	7.3	26.0	114.	40.	432.0
38	1	9719	1	347	3	8/24/73	1600	0.0930	8.0	6.3	7.0	28.	20.	675.0
38	1	13374	1	347	3	10/10/73	1600	0.0930	8.0	5.0	84.0	85.	59.	892.0
39	1	9681	1	336	1	8/21/73	900	0.0330	16.0	6.7	590.0	1071.	530.	1372.0
40	1	9082	1	205	3	7/11/73	730	0.0074	24.0	8.5	272.0	442.	260.	692.0
40	2	9081	1	205	3	7/11/73	730	0.0044	24.0	5.6	1130.0	1865.	550.	1800.0
40	3	9080	1	205	3	7/11/73	730	0.0177	24.0	6.9	260.0	1923.	60.	4580.0
41	1	8916	1	208	1	6/21/73	1600	0.0353	17.0	5.7	520.0	1159.	450.	915.0
41	2	8917	0	208	1	6/21/73	1600	0.0030	8.0	8.8	87.0	4000.	1270.	10360.0
42	1	15398	1	36	1	3/12/74	1100	0.0930		7.5	28.3	193.	56.	351.9
42	1	15413	1	36	1	3/13/74	1000	0.0680		9.0	11.1	23.	28.	160.0
42	2	15445	1	36	1	3/14/74	1100	0.1410		8.7	2.8	20.	17.	151.7
42	2	15451	1	36	1	3/15/74	1400	0.1900		8.0	3.0	20.	19.	207.8
42	102	15397	1	36	1	3/8/74	1400			8.6	115.0	11376.	3500.	2332.5
44	1	14573	1	201	1	1/2/74	1100	0.0350		7.8	396.0	1288.	540.	1440.0
44	1	14588	1	201	1	1/3/74	1200	0.0350		7.5	640.0	4285.	1050.	2208.0
46	1	9526	1	208	1	8/8/73	1200	0.0408	10.0	6.4	360.0	606.	589.	712.0
46	1	9539	1	208	1	8/8/73	1100	0.0408	10.0	9.7	438.0	854.	459.	1080.0
47	1	8715	1	336	1	6/7/73	1630	0.0360		6.7	3.8	50.	39.	847.0
47	1	8717	1	336	1	6/8/73	500	0.0360		6.0	0.2	20.	20.	1525.0
47	2	8716	1	336	1	6/8/73	1330	0.0300		6.8	3.9	33.	31.	433.0
47	2	8720	1	336	1	6/8/73	500	0.0300		7.0	0.9	10.	9.	569.0
47	3	8718	1	336	1	6/8/73	800			1.4	3.0	178.	16.	32000.0
47	3	8719	0	336	1	6/8/73	800			2.0	3.6	50.	8.	27405.0
49	1	9330	1	285	3	7/27/73	1500	0.0028	8.0	6.1	870.0	1333.	117.	3516.0
50	1	8733	1	336	1	6/11/73	1530	0.0036	10.0	6.8	12.4	45.	45.	232.0
50	2	8734	1	336	1	6/11/73	1530	0.0269	10.0	7.6	2.8	33.	20.	1430.0
50	3	8735	0	336	1	6/11/73	1530	0.0053	10.0	7.2	6.7	80.	43.	187.0
51	1	9270	1	347	3	7/25/73	1520	0.0019	8.0	8.1	27.0	28.		372.0
52	1	9040	0	339	1	7/5/73	1600	0.1425	16.0	7.6	5.0	67.	7.	235.0
53	1	9160	0	336	1	7/12/73	1600	0.0009	8.0	7.7	180.0	775.	166.	390.0
53	2	9161	0	336	1	7/12/73	1600			8.5	2.0	18.	12.	175.0

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	VS	TSS	VSS	TDS	VDS	TKN	NH3N	ORGN	NO3N	NO2N	T-IP	O-P
9569	138.0	51.0	45.0	371.0	93.0	27.0	4.30	22.7	1.74	0.233	2.02	
13356	212.0	23.0	8.0	613.0	204.0	39.5	7.24	32.3	0.00	0.373	1.88	
8679	300.0	30.0	24.0	557.0	276.0	33.2	29.70	3.5	0.00	0.006	1.21	
9204	280.0	70.0	2.0	362.0	278.0	4.6	2.62	2.0	0.02	0.027	0.06	
9719	290.0	74.0	64.0	601.0	226.0	5.7	0.28	5.4	3.04	0.660	0.06	
13374	328.0	72.0	50.0	820.0	278.0	40.0	5.66	34.3	14.35	0.152	0.23	
9681	695.0	210.0	160.0	1162.0	535.0	58.0	42.50	15.5	0.16	0.042	3.65	
9082	0.0	190.0	0.0	502.0	0.0	138.0	107.00	31.0	0.00	0.021	9.60	
9081	1335.0	1147.0	933.0	653.0	402.0	4.6	0.18	4.4	0.00	0.014	0.60	
9080	673.0	4500.0	670.0	80.0	3.0	10.5	2.51	8.0	0.00	0.055	2.21	
8916	695.0	64.0	40.0	851.0	655.0	2.2	0.37	1.8	0.05	0.013	4.13	3.36
8917	6162.0	3570.0	1600.0	6790.0	4562.0	74.0	0.48	73.5	0.05	0.843	241.00	50.00
15398	100.1	122.0	83.9	229.9	16.2	4.9	1.23	3.7	0.10	0.072	0.28	
15413	76.0	36.0	14.0	124.0	62.0	5.2	0.99	4.2	0.29	0.017	2.94	
15445	88.2	24.0	10.0	127.7	78.2	2.1	0.69	1.4	0.36	0.006	1.44	
15451	84.2	28.0	12.0	179.8	72.2	2.4	0.38	2.0	0.31	0.006	1.27	
15397	2332.5	906.1	844.0	1426.4	1488.5	2.9	0.86	2.0	3.07	1.180	41.58	
14573	852.0	1050.0	840.0	390.0	12.0	5.7	0.77	4.9	0.00	0.015	2.23	2.04
14588	1827.0	860.0	510.0	1348.0	1317.0	122.0	30.10	91.9	0.14	0.083	9.00	6.10
9526	470.0	34.0	26.0	678.0	444.0	0.9	0.05	0.9	0.16	0.007	1.05	0.74
9539	693.0	48.0	36.0	1032.0	657.0	1.3	0.00	1.3	0.09	0.005	2.38	0.90
8715	275.0	78.0	30.0	769.0	245.0	3.4	1.70	1.7	0.51	0.030	0.11	
8717	382.0	53.0	15.0	1472.0	367.0	3.2	2.82	0.4	0.69	0.040	1.73	
8716	178.0	26.0	14.0	407.0	164.0	2.0	0.34	1.7	0.51	0.000	0.02	
8720	202.0	8.5	8.0	551.5	194.0	0.8	0.23	0.6	1.70	0.011	0.04	
8718	24000.0	374.0	47.0	31626.0	23953.0	2.6	2.59	0.0	1.77	0.078	0.00	
8719	22605.0	208.0	30.0	27197.0	22575.0	1.6	1.63	0.0	0.68	0.047	0.00	
9330	1356.0	3230.0	1350.0	286.0	6.0	15.7	0.99	14.7	0.15	0.179	3.79	
8733	87.0	11.0	4.0	221.0	83.0	6.9	2.13	4.8	0.00	0.006	0.00	
8734	455.0	20.0	0.0	1410.0	455.0	4.7	4.74	0.0	0.27	0.008	0.00	
8735	83.0	35.0	20.0	152.0	63.0	3.6	0.98	2.6	0.43	0.040	0.12	
9270	140.0	100.0	64.0	272.0	76.0	2.0	0.28	1.7	0.20	0.005	0.08	
9040	90.0	14.0	8.0	221.0	82.0	0.4	0.11	0.3	0.50	0.000	0.22	
9160	230.0	131.0	41.0	259.0	189.0	9.9	6.13	3.8	0.02	0.079	0.85	
9161	175.0	170.0	162.0	5.0	13.0	0.2	0.00	0.2	0.18	0.028	0.00	

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	TALK	T-ACID	F	CL	BR	CN	S	S03	S04	CR04	AL	AS	BA	CA
9569	234.													
13356	291.				103.									
8679	227.													
9204	237.			12.		0.10	0.00		8.		0.7			
9719	17.			1730.		6.80	0.08		120.		0.2			
13374	14.			202.		23.20	0.02		54.		0.8			
9681	477.		0.20								0.7	0.00		
9082	432.													
9081	113.													
9080	96.													
8916	254.			15.										
8917	2980.			174.										
15398	68.	6.		18.		0.00	0.00		12.		6.0			
15413	144.	0.		21.		0.00	0.00		11.		1.0			
15445	90.	0.		12.		0.40	0.00		4.		0.0			
15451	84.	0.		14.		0.80	0.02		8.		1.4			
15397	86.	0.		78.		0.50	0.00		3.		2.0			
14573	162.			156.										
14588	405.			75.										
9526	213.			11.		0.00			26.					
9539	309.			11.										
8715	86.		1.00								20.0	0.00		
8717	80.		0.16								30.0	0.00		
8716	103.		1.40								10.0	0.00		
8720	142.		0.20								0.0	0.00		
8718	0.		0.00								70000.0	0.00		
8719	0.		0.00								340000.0	0.00		
9330	0.	108.		19.		0.30	0.16		0.	0.	2.0		0.5	
8733	102.		0.90								0.0	0.00		
8734	180.		0.21								0.0	0.00		
8735	81.		1.20								0.0	0.00		
9270	102.			13.		0.10	0.00		30.		0.2			
9040	111.													
9160	84.		10.00								3.2	0.00		
9161	131.		2.05								0.0	0.00		

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	CD	CO	CR	CR-HEX	CU	FE	HG	MG	MN	MO	NA	NI	PB	SN
9569														
13356														
8679														
9204	0.03		0.00		0.83							0.2		
9719	0.57		3.90		1.91							4.0		
13374	2.30		4.60		1.96							8.2		
9681	0.00		0.00		0.11		0.0044						0.0	
9082														
9081														
9080														
8916														
8917														
15398			0.09		0.23	0.64	0.0000	6.82	0.02			0.0	0.0	
15413			0.44		0.18	0.38	0.0002	7.02	0.03			0.0	1.2	
15445			0.06		0.07	0.30	0.0002	6.42	0.03			0.0	0.0	
15451			0.00		0.07	0.58	0.0000	6.67	0.00			0.2	0.2	
15397			0.00		0.08	20.74	0.0000	3.92	0.75			0.0	0.0	
14573														
14588														
9526														
9539														
8715	0.02		0.00		0.18		0.1000						0.0	
8717	0.04		0.01		0.07		0.0150						0.0	
8716	0.01		0.00		0.11		0.0030						0.0	
8720	0.01		0.00		0.09		0.0000						0.0	
8718	7.10		0.38		25.00		0.0093						3.2	
8719	4.10		0.18		0.43		0.0095						2.0	
9330	0.02	0.00	0.07		0.10	5.90	0.0000	8.50	0.14	0.0		0.1	0.0	
8733	0.00		0.00		0.04		0.0000						0.0	
8734	0.00		0.04		0.04		0.0061						0.0	
8735	0.00		0.00		0.04		0.0071						0.0	
9270	0.00		0.20		0.02	0.11						0.0	0.4	
9040														
9160	0.03		0.00		0.28		0.6300						12.0	
9161	0.00		0.00		0.15		0.0100						0.0	

ONONDACA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	TI	ZN	PHENOL	O&G	SURF	SCOND	COLOR	ODOR	TURB	T-COLI	F-COLI
9569											
13356											
8679											
9204											
9719											
13374											
9681		0.206		52.							
9082											
9081											
9080											
8916					450.		30.	0.			
8917					2200.		100.	2.			
15398		0.052									
15413		0.519									
15445		0.166									
15451		0.500									
15397		0.170									
14573				0.			50.	2.		555000.	
14588				72.			2200.	4.		3200000.	
9526			0.030	80.	2300.		300.	1.			
9539					2400.		200.	1.			
8715		0.740		670.							
8717		0.790		600.							
8716		1.230		10.							
8720		0.197		74.							
8718		188.000		80.							
8719		887.000		52.							
9330	0.0	0.290	0.360	702.			10000.	2.	2300.		
8733		0.148		33.							
8734		0.049		11.							
8735		0.044		22.							
9270											
9040											
9160		0.307		126.							
9161		0.411		5.							

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

IND	SEW	SAMP	TYPE	SIC	ENCO	DATE	TIME	FLOWRATE	FDURAT	PH	BODS	COD-M	TOC	FS
54	1	8865	0	32	2	6/19/73	830			8.0	0.0	0.	0.	257.0
55	1	9024	1	38	3	7/ 3/73	100	0.0120	18.0	8.1	6.0	117.	19.	320.0
56	1	9348	1	32	1	7/31/73	1600	0.0960	16.0	7.1	44.0	167.	18.	184.0
56	1	9395	1	32	1	8/ 3/73	1400	0.0540	16.0	6.9	61.0	308.	40.	862.0
57	1	9357	1	201	1	8/ 2/73	1900	0.1660	12.0	6.8	520.0	1635.	420.	1715.0
58	1	9715	1	201	1	8/24/73	1430	0.0200	12.0	5.1	426.0	1010.	115.	1710.0
59	1	9396	0	201	3	8/ 3/73	1010	0.0008	8.0	6.6	1210.0	1942.	85.	2700.0
60	1	9572	1	201	3	8/10/73	1430	0.0009	8.0	6.8	160.0	1709.	147.	3362.0
60	2	9573	1	201	3	8/10/73	1430	0.0009	8.0	7.7	540.0	777.	440.	1810.0
61	1	9069	1	202	1	7/10/73	1030	0.1236	24.0	5.6	970.0	1314.	426.	1127.0
62	1	8780	1	202	1	6/14/73	1545	0.1699	12.0	9.2	350.0	750.	260.	788.0
62	2	8781	0	202	1	6/14/73	1545	0.0089	12.0	6.9	67.0	471.	140.	1035.0
63	1	8880	1	202	1	6/19/73	1530	0.0260	24.0	7.2	770.0	1308.	500.	26000.0
63	1	9523	1	202	1	8/ 7/73	2100	0.0260	24.0	5.3	49.9	1327.	344.	865.0
63	2	8879	0	202	1	6/19/73	1530	0.0010	24.0	8.1	141.0	192.	190.	1573.0
64	1	9645	0	202	2	8/15/73	1500	0.0696	7.0	8.1	23.0	56.	20.	253.0
64	2	9646	0	202	2	8/15/73	1730	0.0038	7.0	7.5	450.0	479.	214.	1655.0
65	1	13219	1	202	1	9/10/73	1600	0.0390	8.0	7.2	71.0	194.	27.	981.0
66	1	13233	1	202	1	9/20/73	930	0.0700	24.0	6.6	58.0	563.	260.	2224.0
67	1	9601	1	202	1	8/ 8/73	2400	0.0500	24.0	6.9	47.0	53.	33.	160.0
67	2	9367	1	202	1	8/ 2/73	1200	0.0040	24.0	8.6	100.0	353.	161.	5152.0
67	2	9390	1	202	1	8/ 3/73	1100	0.0040	24.0	5.3	6700.0	17500.	4310.	16540.0
67	2	9504	1	202	1	8/ 3/73	2400	0.0040	24.0	5.4	1260.0	11150.	10160.	10490.0
67	3	9368	1	202	1	8/ 2/73	1200	0.0940	24.0	6.8	430.0	990.	152.	660.0
67	3	9393	1	202	1	8/ 3/73	1200			6.3	480.0	1553.	443.	1308.0
67	3	9529	1	202	1	8/ 7/73	2400	0.1860	24.0	7.0	145.0	856.	483.	755.0
67	4	9527	1	202	1	8/ 8/73	1830	0.0014	17.0	7.1	6400.0	7200.	4790.	33815.0
67	6	9502	0	202	1	8/ 3/73	1500	0.0005	24.0	7.7	2.0	29.	6.	233.0
67	7	9538	1	202	1	8/ 8/73	2400	0.0100	24.0	8.4	0.8	29.	4.	655.0
67	8	9528	1	202	1	8/ 7/73	2400	0.0020	24.0	6.3	9.2	19.	36.	1795.0
68	1	9397	0	203	3	8/ 3/73	925	0.0083	8.0	7.2	58.0	146.	49.	390.0
69	1	9503	1	203	3	8/ 6/73	1530	0.0056	8.0	7.2	16.0	77.	11.	663.0
69	1	13762	1	203	3	10/24/73	1600	0.0056	8.0	3.4	132.0	38000.	16600.	26000.0
71	1	8731	1	203	3	6/11/73	1515	0.0004	8.0	7.4	143.0	143.	54.	752.0

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	VS	TSS	VSS	TDS	VDS	TKN	NH3N	ORGN	NO3N	NO2N	T-IP	O-P
8865	118.0	27.0	18.0	230.0	100.0	0.3	0.00	0.3	0.01	0.000	0.02	0.02
9024	103.0	31.0	21.0	289.0	82.0	8.3	7.50	0.8	3.04	1.460	3.66	
9348	0.0	0.0	0.0	184.0	0.0	14.5	9.03	5.5	0.07	0.077	1.16	0.82
9395	350.0	862.0	350.0	0.0	0.0	25.4	24.90	0.5	0.00	0.011	1.92	1.50
9357	797.0	330.0	160.0	1385.0	637.0	120.0	106.00	14.0	0.14	0.109	10.20	3.96
9715	250.0	249.0	249.0	1461.0	1.0	22.6	4.01	18.6	0.04	0.040	9.20	4.60
9396	1322.0	2390.0	930.0	310.0	392.0	29.8	4.90	24.9	0.00	0.027	2.24	1.67
9572	777.0	3362.0	777.0	0.0	0.0	5.7	5.68	0.0	0.08	0.104	3.50	0.54
9573	423.0	324.0	252.0	1486.0	171.0	11.9	11.90	0.0	0.14	0.021	6.30	2.15
9069	852.0	242.0	226.0	885.0	626.0	15.9	0.98	14.9	0.00	0.067	18.20	14.90
8780	572.0	294.0	237.0	494.0	335.0	19.1	2.51	16.6	0.05	0.067	7.40	7.20
8781	405.0	635.0	160.0	400.0	245.0	4.9	0.38	4.5	0.01	0.037	1.87	1.27
8880	25800.0	60.0	54.0	25940.0	25746.0	28.6	2.08	26.5	0.01	0.155	4.70	4.60
9523	523.0	332.0	328.0	533.0	195.0	24.0	1.53	22.5	0.03	0.192	7.30	4.80
8879	570.0	105.0	40.0	1468.0	530.0	9.4	6.56	2.8	0.00	0.185	10.20	9.00
9645	75.0	113.0	61.0	140.0	14.0	4.8	1.51	3.3	0.14	0.111	0.30	0.19
9646	440.0	166.0	166.0	1489.0	274.0	4.1	0.36	3.7	0.13	0.020	0.70	0.73
13219	213.0	36.0	16.0	945.0	197.0	6.6	3.50	3.1	0.28	0.013	1.51	0.71
13233	936.0	88.0	76.0	2136.0	860.0	8.5	0.62	7.9	0.01	0.025	3.09	2.75
9601	60.0	20.0	12.0	140.0	48.0	0.4	0.12	0.3	0.49	0.005	0.29	0.08
9367	3617.0	790.0	720.0	4362.0	2897.0	76.0	5.92	70.1	0.35	0.538	142.00	16.40
9390	15655.0	2830.0	2570.0	13710.0	13085.0	118.0	3.52	114.5	1.66	0.226	26.50	20.80
9504	9512.0	3360.0	3320.0	7130.0	6192.0	79.0	22.50	56.5	1.65	0.547	27.90	20.90
9368	273.0	170.0	155.0	490.0	118.0	10.7	0.71	10.0	0.04	0.055	13.00	6.30
9393	1130.0	256.0	192.0	1052.0	938.0	9.8	0.70	9.1	0.04	0.046	15.80	13.40
9529	448.0	142.0	106.0	613.0	342.0	7.5	0.67	6.8	0.06	0.044	9.30	3.20
9527	31752.0	7400.0	6400.0	26415.0	25352.0	370.0	35.20	334.8	0.01	3.250	6.40	6.40
9502	70.0	233.0	70.0	0.0	0.0	0.1	0.10	0.0	0.13	0.011	0.34	0.14
9538	390.0	7.0	3.0	648.0	387.0	0.0	0.00	0.0	0.64	0.027	0.44	0.27
9528	892.0	6.0	4.0	1789.0	888.0	0.2	0.10	0.1	0.64	0.000	0.15	0.00
9397	130.0	65.0	40.0	325.0	90.0	0.3	0.30	0.0	0.05	0.005	0.43	0.36
9503	130.0	408.0	130.0	255.0	0.0	4.3	3.48	0.8	0.00	0.030	0.29	
13762	14224.0	2860.0	2070.0	23140.0	12154.0	480.0	159.00	321.0	1.65	0.344	81.00	
8731	480.0	680.0	480.0	72.0	0.0	9.8	9.43	0.4	1.50	0.752	0.09	

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

115235517

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ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	TI	ZN	PHENOL	O&G	SURF	SCOND	COLOR	ODOR	TURB	T-COLI	F-COLI
8865			0.080	188.							
9024											
9348			0.020	34.							
9395			0.110	86.							
9357				78.			560.	5.		27000000.	
9715				108.			20.	1.		3533333.	
9396				254.			1000.	4.		816667.	
9572				135.			10000.	2.		76000.	
9573				157.			3000.	4.		16850000.	
9069							400.	2.			
8780							500.	1.			
8781							500.	3.			
8880							100.	1.			
9523							2000.	2.			
8879							100.	3.			
9645							10.	2.			
9646							60.	1.			
13219							40.	2.			
13233							120.	2.			
9601							10.	1.			
9367							480.	3.			
9390							15000.	3.			
9504							20000.	4.			
9368							320.	1.			
9393							500.	2.			
9529							200.	1.			
9527							30000.	2.			
9502							10.	1.			
9538							10.	1.			
9528							10.	1.			
9397				318.		4920.		1.		6500.	
9503				1513.		8730.		3.		0.	
13762				18.		19200.		7.		0.	
8731				49.		420.		1.		10000.	

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

IND	SEW	SAMP	TYPE	SIC	ENCO	DATE	TIME	FLOWRATE	FUDURAT	PH	BOD5	COD-M	TOC	TS
71	2	8730	1	203	3	6/11/73	1500	0.0016	8.0	5.6	540.0	670.	662.	1372.0
72	1	9571	1	203	3	8/10/73	1530	0.0444	8.0	9.0	260.0	680.	144.	1245.0
73	1	9619	1	204	3	8/14/73	1515	0.0022	24.0	5.3	7200.0	7770.	1148.	4463.0
75	1	9064	1	205	3	7/10/73	730	0.0001	24.0	8.3	130.0	267.	50.	698.0
76	1	13334	1	205	3	9/27/73	1200	0.0004	24.0	7.0	97.0	287.	185.	5472.0
77	3	9220	1	205	3	7/18/73	1500	0.0027		9.0	2250.0	3150.	2900.	5680.0
79	1	9352	1	205	3	8/ 1/73	1500	0.0012	13.0	6.3	300.0	8040.	1320.	4672.0
80	1	8991	1	205	3	6/28/73	830	0.0374	24.0	6.4	99.0	211.	75.	452.0
80	2	8992	1	205	3	6/28/73	830	0.0001		6.8	370.0	982.	390.	1432.0
81	1	9063	1	205	3	7/10/73	830	0.0006		4.7	4560.0	7620.	141.	6110.0
82	1	9222	1	205	3	7/18/73	1500	0.0002		7.2	200.0	280.	260.	1128.0
83	1	9353	1	205	3	8/ 1/73	1500	0.0060	8.0	7.0	90.0	243.	23.	352.0
84	1	9055	1	205	3	7/ 6/73	1200	0.0334	24.0	7.1	33.0	102.	36.	230.0
85	1	8758	1	208	1	6/13/73	1530	0.0024	10.0	7.5	4.0	29.	8.	307.0
85	1	8861	1	208	1	6/18/73	1500	0.0024	10.0	7.6	0.0	2.	1.	203.0
85	2	8759	1	208	1	6/13/73	1530	0.0168	10.0	8.1	150.0	466.	133.	353.0
85	2	8862	1	208	1	6/18/73	1500	0.0168	10.0	7.5	22.0	27.	23.	272.0
86	1	9053	1	208	1	7/ 6/73	1600	0.1015	13.0	9.5	690.0	1480.	570.	1390.0
86	1	9159	1	208	1	7/12/73	1900	0.1015	13.0	7.3	1290.0	1405.	620.	1620.0
87	1	8955	1	209	3	6/27/73	1045	0.0045	8.0	6.9	310.0	2532.	105.	3168.0
89	1	8858	1	209	3	6/18/73	1530	0.0480	8.0	6.5	90.0	1220.	1184.	2098.0
90	2	8777	1	209	3	6/14/73	1430	0.0266	8.0	6.7	3.6	38.	9.	173.0
92	1	9056	0	23	2	7/ 9/73	1100	0.0009	8.0	6.9	230.0	277.	133.	577.0
97	1	9091	1	26	2	7/11/73	1545	0.0012	18.0	7.6	310.0	625.	250.	772.0
98	1	9267	0	26	2	7/25/73	1430	0.0005	8.0	7.3	23.0	32.	14.	324.0
99	1	8760	1	26	2	6/13/73	1630	0.0504	8.0	7.7	45.0	248.	11.	332.0
100	1	8863	1	26	2	6/18/73	1630	0.0187	16.0	7.5	0.0	0.	0.	230.0
100	3	8942	0	26	2	6/25/73	1515	0.0244	16.0	6.9	44.6	56.	28.	213.0
100	4	9001	0	26	2	6/29/73	1500	0.0362	16.0	7.2	8.0	70.	15.	205.0

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	VS	TSS	VSS	TDS	VDS	TKN	NH3N	ORGN	NO3N	NO2N	T-IP	O-P
8730	915.0	610.0	380.0	762.0	535.0	19.5	10.10	9.4	0.05	0.034	3.07	
9571	797.0	380.0	283.0	865.0	514.0	5.4	0.46	4.9	1.45	0.662	9.70	
9619	3143.0	4231.0	2410.0	232.0	733.0	28.6	28.60	0.0	1.27	0.035	26.00	2.39
9064	330.0	190.0	145.0	508.0	185.0	139.0	120.00	19.0	0.00	0.029	17.30	
13334	1360.0	2744.0	692.0	2728.0	668.0	5.7	3.51	2.2	0.00	0.282	12.50	
9220	5156.0	1370.0	1320.0	4310.0	3836.0	22.6	5.65	17.0	1.03	0.493	22.30	
9352	3736.0	2993.0	2586.0	1679.0	1150.0	29.6	10.00	19.6	0.25	0.449	4.29	
8991	305.0	97.0	84.0	355.0	221.0	6.1	0.66	5.4	0.00	0.000	11.70	
8992	497.0	845.0	173.0	587.0	324.0	5.5	2.30	3.2	0.29	0.000	119.00	
9063	5742.0	3780.0	3600.0	2330.0	2142.0	15.9	0.37	15.5	0.07	0.029	12.90	
9222	580.0	340.0	210.0	788.0	370.0	60.0	44.60	15.4	0.05	0.039	3.78	
9353	160.0	267.0	120.0	85.0	40.0	2.0	0.78	1.2	0.11	0.041	0.27	
9055	55.0	50.0	40.0	180.0	15.0	4.7	0.56	4.1	0.03	0.019	1.40	
8758	155.0	15.0	4.0	292.0	151.0	0.4	0.00	0.4	0.38	0.000	0.05	
8861	38.0	36.0	6.0	167.0	32.0	1.0	0.16	0.8	0.24	0.005	0.11	0.09
8759	338.0	11.0	4.0	342.0	334.0	1.7	0.14	1.6	0.20	0.016	0.46	
8862	125.0	29.0	13.0	243.0	112.0	2.0	0.32	1.7	0.41	0.005	0.09	0.06
9053	915.0	305.0	125.0	1085.0	790.0	9.1	7.32	1.8	0.08	0.028	4.97	2.26
9159	1307.0	263.0	137.0	1357.0	1170.0	18.0	16.00	2.0	0.01	0.011	2.27	1.59
8955	973.0	3000.0	800.0	168.0	173.0	6.8	0.41	6.4	0.01	0.010	0.26	0.09
8858	1525.0	1860.0	1340.0	238.0	185.0	94.0	7.03	87.0	0.94	0.132	2.99	2.31
8777	98.0	18.0	18.0	155.0	80.0	10.6	6.73	3.9	0.71	0.030	0.80	0.78
9056	390.0	47.0	40.0	530.0	350.0	33.5	13.40	20.1	0.28	0.098	2.29	2.30
9091	165.0	100.0	47.0	672.0	118.0	58.0	24.40	33.6	0.05	0.302	5.80	5.80
9267	105.0	72.0	28.0	252.0	77.0	1.2	0.17	1.0	0.15	0.005	0.37	0.34
8760	218.0	21.0	21.0	311.0	197.0	32.3	18.30	14.0	0.01	0.181	1.56	1.41
8863	77.0	25.0	8.0	205.0	69.0	1.1	0.32	0.8	0.44	0.011	0.07	0.04
8942	98.0	70.0	40.0	143.0	58.0	8.4	2.05	6.4	0.27	0.018	0.62	0.62
9001	128.0	26.0	26.0	179.0	102.0	6.5	1.09	5.4	0.47	0.011	0.51	0.31

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	TALK	T-ACID	F	CL	BR	CN	S	SO3	SO4	CR04	AL	AS	BA	CA
	8730	144.			61.									
	9571	273.			23.									
	9619	427.			117.									
	9064	525.												
	13334	160.												
	9220													
	9352	0.												
	8991	79.			21.									
	8992	303.			29.									
	9063	99.												
	9222	228.												
	9353	73.												
	9055	89.												
	8758	93.	8.		8.		0.15	0.00						
	8861	105.			4.									
	8759	100.	2.		8.		0.05	0.20						
	8862	93.			4.									
	9053	289.			24.					0.				
	9159	256.			31.									
	8955	100.			6.									
	8858	112.			48.									
	8777	117.			13.									
	9056	115.			51.		0.03							
	9091	136.	52.		75.	0.00			15.	40.				
	9267	90.	7.		19.	0.00		0.00	0.	60.				
	8760	159.	14.		47.	0.20		0.70		44.				
	8863	85.	4.		3.	0.01				43.				
	8942	91.	8.		5.	0.00		0.00		31.				
	9001	100.	30.		11.	0.00		0.08	1.	17.				

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	CD	CO	CR	CR-HEX	CU	FE	IG	MG	MN	MO	NA	NI	PB	SN
8730														
9571														
9619														
9064														
13334														
9220														
9352														
8991														
8992														
9063														
9222														
9353														
9055														
8758														
8861														
8759														
8862														
9053														
9159														
8955														
8858														
8777														
9056			0.00											
9091		0.00	0.00	0.24		0.0006			47.50	0.1	0.0			
9267		0.13	0.00	0.06		0.0830			10.50	0.0	0.4			
8760		0.00	0.00	0.04		0.0000			25.00	0.2				
8863		0.00	0.00	0.20					1.80	0.1	0.0			
8942		0.00	0.00	0.06					6.40	0.0	0.0			
9001		0.00	0.00	0.00		0.0004			4.30	0.0	1.7			

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	TI	ZN	PHENOL	DEG	SURF	SCOND	COLOR	ODOR	TURB	T-COLI	F-COLI
8730				290.		655.		2.			1400000.
9571				127.		2100.		1.			5850.
9619				224.		1270.	420.		600.		630000.
9064											
13334											
9220											
9352											
8991											
8992											
9063											
9222											
9353											
9055											
8758			0.000				90.	0.	17.		
8861					266.		30.	1.			
8759			0.060				50.	1.	27.		
8862					234.		20.	0.			
9053					523.	100.	1.				
9159					959.	1000.	2.				
8955				46.		1000.					
8858				109.		300.					
8777				179.		10.					
9056					603.	200.					
9091	0.176	0.300	94.		871.	1000.	2.		128500.		
9267	0.083	0.000	0.		279.	20.	1.		0.		
8760	1.650	0.130	323.		660.	60.	2.		5400000.		
8863	0.065	0.060	108.		235.	10.	1.		160000.		
8942	0.063	0.140	6.		235.	20.	1.		247000.		
9001	0.048	0.230	6.		282.	40.	2.		2200000.		

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

IND	SEW	SAMP	TYPE	SIC	ENCO	DATE	TIME	FLOWRATE	FDURAT	PH	BOD5	COD-M	TOC	TS
101	1	8899	2	26	2	6/20/73	2400	0.2048	15.0	9.4	0.0	0.	0.	753.0
101	2	8900	2	26	2	6/20/73	2400	0.0128	15.0	8.2	57.0	167.	72.	517.0
102	6	8723	1	26	2	6/ 8/73	1330	0.0526	16.0	6.3	445.0	990.	540.	1795.0
103	1	8918	1	26	2	6/21/73	1600	0.0255	16.0	7.3	360.0	492.	410.	895.0
104	1	9003	1	26	2	7/ 2/73	1615	0.0013	8.0	7.3	28.0	145.	0.	270.0
105	1	8973	1	26	2	6/27/73	2330	0.0021	16.0	6.5	1080.0	1963.	730.	1982.0
107	1	8920	0	26	2	6/22/73	1200	0.0007	8.0	7.0	0.2	45.	15.	170.0
108	1	9077	1	26	2	7/10/73	1600	0.0102	15.0	7.7	96.0	106.	33.	318.0
108	2	9078	1	26	2	7/10/73	1600	0.0019	15.0	7.8	160.0	769.	184.	777.0
110	1	15496	1	281	1	3/27/74	1400	0.0450		7.0	42.4	232.	56.	2870.0
110	1	15513	1	281	1	3/28/74	1100	0.0280		6.9	90.4	200.	20.	2904.4
110	1	15518	1	281	1	3/26/74	1400	0.0440		6.6	60.4	89.	80.	2676.0
110	1	15531	1	281	1	3/29/74	1000	0.0460		6.8	18.4	95.	17.	3028.0
110	2	15538	1	281	1	4/ 2/74	1000	0.0500		8.4	6.9	64.	11.	691.8
110	2	15539	1	281	1	4/ 3/74	1000	0.0440		8.5	3.9	117.	8.	628.0
110	3	15550	1	281	1	4/ 4/74	1000	0.0990		8.6	14.7	143.	12.	1170.0
110	3	15574	1	281	1	4/ 5/74	1000	0.0980		8.5	8.1	101.	14.	1736.1
110	3	15665	1	281	1	4/11/74	900			8.5	2.3	42.	0.	1346.0
110	3	15709	1	281	1	4/12/74	900			8.5	0.7	56.	5.	1479.8
110	4	15597	1	281	1	4/ 9/74	1000			7.5	2.3	37.	4.	363.8
110	4	15852	1	281	1	4/27/74	1000			8.6	1.3	13.	9.	364.0
110	5	15744	1	281	1	4/17/74	1000	0.0580		12.3	11.0	404.	9.	9380.0
110	5	15748	1	281	1	4/18/74	900	0.0240		12.2	7.0	223.	51.	9220.0
111	1	8742	0	281	1	6/12/73	1400	0.0016	15.0	6.7	30.0	140.	67.	420.0
112	1	9349	1	281	1	8/ 1/73	1200	0.0100	24.0	8.9	60.0	860.	771.	3048.0
112	1	9350	0	281	1	8/ 1/73	1200			8.8	720.0	4670.	4300.	14980.0
112	1	9382	1	281	1	8/ 3/73	900	0.0080	24.0	8.7	27.0	1398.	470.	6382.0
112	1	9557	1	281	1	8/ 9/73	1830	0.0090	24.0	6.9	1300.0	2835.	880.	2353.0
112	1	9620	1	281	1	8/14/73	1500	0.0080	24.0	10.2	100.0	417.	250.	4560.0
112	102	9621	1	281	1	8/14/73	1500	0.2700	24.0	8.0	17.0	252.	31.	15673.0
114	1	8924	1	281	1	6/22/73	1530	0.0092	13.0	7.5	0.2	36.	8.	218.0
114	2	9228	1	281	1	7/19/73	1615	0.0092	13.0	7.6	0.0	0.	0.	260.0
115	1	8851	0	283	1	6/15/73	1600	0.0024	8.0	7.5	0.0	0.	0.	252.0
115	2	8850	0	283	1	6/15/73	1600	0.0024	8.0	6.5	0.0	0.	0.	165.0
116	1	9005	0	283	1	7/ 2/73	1600	0.0025	7.5	7.2	180.0	836.	116.	838.0
117	1	9607	1	2818	3	8/13/73	1600	0.0003	8.0	7.3	240.0	777.	95.	793.0

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	VS	TSS	VSS	TDS	VDS	TKN	NH3N	ORGN	NO3N	NO2N	T-IP	O-P
8899	217.0	70.0	34.0	683.0	183.0	1.1	0.16	0.9	0.48	0.021	0.32	0.32
8900	200.0	92.0	84.0	425.0	116.0	268.0	14.30	253.7	0.00	0.021	3.11	3.11
8723	802.0	360.0	300.0	1435.0	502.0	17.0	8.00	9.0	1.23	0.175	1.57	1.18
8918	650.0	354.0	308.0	541.0	342.0	10.2	3.82	6.4	0.01	0.162	1.09	1.09
9003	87.0	10.0	7.0	260.0	80.0	17.5	10.44	7.1	0.32	0.142	1.03	0.65
8973	1335.0	165.0	105.0	1817.0	1230.0	256.0	47.20	208.8	0.08	0.099	15.90	14.00
8920	53.0	3.0	3.0	167.0	50.0	4.1	0.38	3.7	0.61	0.009	0.06	0.04
9077	143.0	54.0	30.0	264.0	113.0	11.4	7.59	3.8	0.21	0.030	0.06	0.06
9078	385.0	178.0	146.0	599.0	239.0	47.0	10.52	36.5	0.21	0.258	4.38	1.16
15496	224.0	746.2	148.0	2123.8	76.0	9.0	6.20	2.8	3.28	59.353	0.26	0.25
15513	264.3	257.9	67.9	2646.5	196.4	7.9	4.94	3.0	4.01	64.645	0.17	0.15
15518	244.0	936.0	780.0	1740.0	464.0	9.8	6.26	3.5	2.35	62.689	0.23	0.27
15531	207.5	182.4	27.5	2845.6	180.0	8.3	5.18	3.1	25.16	71.058	1.90	1.90
15538	185.0	50.0	12.5	641.8	172.5	5.9	3.53	2.4	0.95	0.100	0.42	0.30
15539	96.0	16.1	14.1	611.9	81.9	5.9	5.87	0.0	0.83	0.211	0.42	0.33
15550	130.0	84.0	32.0	1086.0	98.0	43.6	42.26	1.3	0.18	0.112	0.67	0.63
15574	176.4	64.0	6.0	1672.1	170.4	8.6	4.40	4.2	0.17	0.091	0.34	0.34
15665	142.0	110.0	23.0	1236.0	119.0	7.2	3.09	4.1	0.90	0.081	0.49	0.45
15709	203.6	108.2	8.2	1371.6	195.4	11.1	11.13	0.0	0.52	0.040	0.45	0.45
15597	171.5	96.1	96.1	267.7	75.4	1.2	0.47	0.7	0.06	0.006	0.04	0.04
15852	115.0	25.0	12.0	339.0	103.0	1.1	0.14	1.0	0.63	0.014	0.35	0.15
15744	493.0	94.0	36.0	9286.0	457.0	7.3	1.95	5.4	0.07	0.109	1.72	1.48
15748	444.0	120.0	44.0	9100.0	400.0	7.1	1.95	5.2	0.14	0.103	1.49	1.39
8742	208.0	134.0	94.0	286.0	114.0	23.0	17.70	5.3	0.02	0.003	2.08	1.83
9349	2232.0	44.0	44.0	3004.0	2188.0	30.3	5.69	24.6	0.14	0.207	3.20	2.30
9350	10720.0	280.0	40.0	14700.0	10680.0	20.3	7.75	12.6	2.57	1.530	19.40	0.62
9382	887.0	252.0	48.0	6130.0	839.0	24.1	3.47	20.6	0.07	0.439	2.40	2.42
9557	1613.0	330.0	280.0	2023.0	1333.0	232.0	218.00	14.0	0.09	0.106	6.20	6.20
9620	775.0	74.0	40.0	4486.0	735.0	45.7	45.70	0.0	0.00	0.102	3.00	2.95
9621	2402.0	482.0	32.0	15191.0	2370.0	41.1	41.10	0.0	0.01	0.035	4.80	0.00
8924	60.0	9.0	9.0	209.0	209.0	1.2	0.11	1.1	0.63	0.005	0.09	0.08
9228	124.0	44.0	22.0	216.0	102.0	1.5	1.48	0.0	0.18	0.005	0.13	0.11
8851	125.0	126.0	32.0	126.0	93.0	13.0	2.53	10.5	0.01	0.011	0.47	
8850	33.0	24.0	14.0	141.0	19.0	0.7	0.05	0.6	0.29	0.011	0.04	
9005	478.0	430.0	140.0	408.0	338.0	30.0	21.20	8.8	0.06	0.017	5.80	
9607	288.0	637.0	243.0	156.0	45.0	10.3	0.31	10.0	0.05	0.041	0.72	0.12

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	TALK	T-ACID	F	CL	BR	CN	S	SO3	SO4	CR04	AL	AS	BA	CA
8899	239.	0.		88.	0.00		0.00	1.	64.					
8900		18.		35.	0.00		0.00	18.	0.					
8723		0.	148.	183.	0.10		0.60	1.	286.					
8918		82.	66.	42.	0.69		0.00	1.	40.					
9003		157.	30.	36.	0.00	0.00	0.00	9.	13.					
8973		279.	182.	159.	0.00		0.00	0.	32.					
8920		98.	2.	4.	0.00		0.00	3.	20.					
9077		84.	20.	59.	0.00		0.00	7.	56.					
9078		128.	20.	134.	0.00		0.08	2.	60.					
15496		158.		0.50	292.		0.10	424.		51.4				41.00
15513		306.		0.38	316.		0.00	0.00	178.	47.1				158.10
15518		328.		0.80	316.		0.00	0.00	554.	44.3				100.00
15531		363.		0.00	311.		0.10	0.00	67.	60.0				184.80
15538		151.		0.80	269.		0.20	0.00	57.	0.0				37.40
15539		154.		0.80	188.		0.10	0.00	26.	0.0				39.60
15550		260.		0.40	958.		0.00	0.00	80.	0.0				242.00
15574		195.		1.00	799.		1.00	0.00	65.	3.3				224.40
15665		208.		0.52	556.		0.00	0.00	23.	0.7				277.20
15709		190.		0.28	556.		0.00	0.10	108.	0.0				141.00
15597		95.		0.68	10.		0.00	0.25	22.	0.3				40.92
15852		186.		0.45	33.		0.00	0.10	23.	0.0				44.00
15744		4170.		1.10	2700.		0.40	0.00	132.	15.0				33.00
15748		4090.		1.00	2900.		0.20	0.20	138.	14.4				29.90
8742		162.		1.24	43.		0.40	0.50	48.	0.0				49.00
9349		1740.		0.50	250.		0.30	0.00	25.	0.2				30.00
9350		9200.			190.		0.30	0.00	0.	1.2				20.40
9382		48400.		0.80	153.		0.30	0.00	28.	1.5				12.00
9557		439.		0.48	40.		0.50	0.00	198.	1.0				30.00
9620		3530.		0.50	250.		0.40	0.00	14.	0.0				38.50
9621		131.		0.20	8300.		0.00	0.00	184.	0.0				1180.00
8924		142.		0.03	8.		0.00	0.00	24.	0.0				50.70
9228		109.		0.76	12.		0.00	0.00	102.	0.0				56.00
8851		100.	10.		17.		0.05	0.34						
8850		85.	4.		7.		0.12	0.82						
9005		219.	55.		0.		0.10	0.30						
9607		54.	11.	0.52	42.		0.10	0.04	260.	7.0				

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	CD	CO	CR	CR-HEX	CU	FE	HG	MG	MN	MO	NA	NI	PB	SN
8899			1.77	1.50	0.05		0.0000				114.00	4.3	1.0	
8900			0.00	0.00	0.04		0.0000				39.20	0.1	0.7	
8723			3.40	0.00	0.40		0.0000				360.00	0.2	17.0	
8918			0.32	0.00	0.32		0.0000				67.00	0.0	1.8	
9003			0.00	0.00	0.26		0.2200				11.00	0.2	0.0	
8973			0.07	0.00	0.24		0.1200				120.00	0.0	1.0	
8920			0.00	0.00	0.02		0.2400				32.70	0.1	0.0	
9077			0.05	0.00	0.44		0.0250				26.10	0.2	0.0	
9078			0.00	0.00	0.16		0.0014				67.70	0.0	2.0	
15496	0.04		0.08		0.32	292.79	0.0002		2.41		500.00	0.8	0.0	
15513	0.00		0.00		0.22	230.00	0.0004		1.57		580.00	0.4	0.0	
15518	0.00		0.07		0.14	143.00	0.0002		0.06		580.00	0.3	1.0	
15531	0.02		0.06		0.45	229.69	0.0000		1.93		636.43	0.6	0.0	
15538	0.00		0.08		0.16	0.40	0.0000		0.02		150.00	0.0	0.3	
15539	0.00		0.06		0.38	0.19	0.0000		0.00		990.00	0.0	0.0	
15550	0.00		0.00		0.08	0.24	0.0000		0.02		500.00	0.0	0.2	
15574	0.00		0.04		0.10	0.19	0.0000		0.02		200.00	0.0	0.0	
15665	0.00		0.00		4.07	0.52	0.0000		0.00		400.00	0.1	0.0	
15709	0.00		0.00		0.08	0.11	0.0000		0.00		320.00	0.4	0.0	
15597	0.00		0.00		0.00	0.71	0.0080		0.02		5.80	0.0	0.0	
15852	0.00		0.00		0.00	0.07	0.0000		0.01		25.00	0.0	0.0	
15744	0.00		0.00		0.06	0.78	0.0000		0.01		3200.00	0.1	0.0	
15748	0.00		0.00		0.06	0.67	0.0600		0.00		3400.00	0.1	0.0	
8742	0.00		0.00		0.15	0.02	0.0014		0.00		23.00	0.2	0.0	
9349	0.02		0.00		0.17	0.19	0.0000		0.01		780.00	0.1	0.0	
9350	0.02		0.48		0.18	0.56			0.03		4550.00	0.4	0.0	
9382	0.00		0.00		0.07	0.37	0.0390		0.02		1900.00	0.0	0.0	
9557	0.02		0.04		1.10	2.47	0.0000		0.05		200.00	1.0	0.0	
9620	0.00		0.00		0.14	0.40	0.0000		0.02		1250.00	0.0	0.0	
9621	0.00		0.00		0.08	1.64	0.0080		0.29		4450.00	0.2	0.0	
8924	0.00		0.00		0.02	0.11	18.5000		0.00		4.41	0.0	0.0	
9228	0.02		0.00		0.04	0.05	0.0112	8.70	0.07		5.55	0.0	0.0	
8851														
8850														
9005														
9607	0.03		0.00		0.15	4.30	0.0116	8.80	0.15				0.7	

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	TI	ZN	PHENOL	DEG	SURF	SCOND	COLOR	ODOR	TURB	T-COLI	F-COLI
8899		0.056	0.050	146.		820.	60.	1.		0.	
8900		0.140	0.050	97.		580.	90.	3.		29000000.	
8723		0.331	0.200	111.		1470.	75.	2.		15500000.	
8918		0.125	0.180	46.		450.	100.	1.		128000.	
9003		0.080	0.600	3.		439.	200.	1.		50000.	
8973		0.517	0.180	70.		1183.	800.	4.		0.	
8920		0.025	0.060	10.		220.	20.	1.		40.	
9077		0.620	0.000	0.		475.	50.	1.		8000000.	
9078		1.450	0.000	42.		655.	200.	1.		15000000.	
15496		1.736	0.005						790.		
15513		1.000	0.040						450.		
15518		0.020	0.010						410.		
15531		1.200	0.050						550.		
15538		0.110	0.000						24.		
15539		0.060	0.000						17.		
15550		0.070	0.000						23.		
15574		0.291	0.050						15.		
15665		0.075	0.000						23.		
15709		0.000	0.005						15.		
15597		0.020	0.005						25.		
15852		0.000	0.000						14.		
15744		0.075	0.025						20.		
15748		0.090	0.005						27.		
8742		0.054	0.010						33.		
9349		0.152	0.390						50.		
9350		0.202	0.390						55.		
9382		0.278	0.320						999.		
9557		0.560	0.380						160.		
9620		0.100	0.350						50.		
9621		0.030	0.000						66.		
8924		0.035	0.010						15.		
9228		0.033	0.090						11.		
8851			0.040			10.	1.	13.			
8850			0.030			10.	0.	22.			
9005			0.000			1500.	4.	43.			
9607		0.211	6.400	461.		40.	3.	63.			

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

IND	SEW	SAMP	TYPE	SIC	ENCO	DATE	TIME	FLOWRATE	F DURAT	PH	HODS	COD-M	TOC	TS
120	1	9269	1	285	3	7/25/73	1600	0.0004	8.0	12.3	433.0	584.	179.	3088.0
121	1	9051	0	285	1	7/ 6/73	1000	0.0010	1.0	9.9	7100.0	15740.	4800.	7050.0
123	1	9272	0	285	3	7/24/73	1305	0.0145	8.0	7.2	8000.0	13900.	8400.	116628.0
124	1	8877	1	284	3	6/19/73	1200	0.0027	8.0	9.1	156.0	2307.	880.	5033.0
125	1	8876	1	284	3	6/19/73	1430	0.0001	6.0	13.0		1096.	170.	47880.0
126	1	8878	1	284	3	6/19/73	1300	0.0002	8.0	10.1	96.0	192.	156.	1152.0
130	1	8904	1	3079	3	6/20/73	810	0.0040	24.0	7.0	270.0	1067.	290.	645.0
131	1	8903	1	3079	3	6/20/73	755	0.0180	24.0	7.7	1590.0	7170.	3300.	4852.0
132	1	8902	1	3079	3	6/20/73	740	0.0316	24.0	7.2	0.0	0.	0.	655.0
132	2	8901	1	3079	3	6/20/73	745	0.0018	24.0	7.4	77.0	383.	100.	955.0
135	1	9036	0	32	2	7/ 5/73	1400	0.0044	24.0	7.3	280.0	800.	150.	1922.0
136	1	9520	0	32	2	8/ 7/73	1430		24.0	7.0	0.8	77.	17.	332.0
136	2	9522	0	32	2	8/ 7/73	1430		24.0	7.6	30.0	38.	31.	760.0
136	3	9521	0	32	2	8/ 7/73	1430	0.0004	24.0	6.7	43.0	260.	57.	257.0
138	1	8919	0	32	2	6/22/73	930	0.0014	8.0	8.9	102.0	673.	160.	998.0
140	1	9518	0	32	2	8/ 7/73	1400	0.0212	10.0	8.6	13.0	77.	37.	772.0
140	2	9519	0	32	2	8/ 7/73	1400	0.0212	10.0	8.7	15.0	96.	37.	1000.0
141	1	8849	1	32	2	6/13/73	1500	0.0001	8.0	6.5	0.0	0.	0.	387.0
143	1	8867	0	32	2	6/19/73	1050			7.6	0.0	0.	0.	575.0
143	2	8871	0	32	2	6/19/73	1050			10.5	0.0	0.	0.	1418.0
144	1	8905	0	32	2	6/21/73	1030	0.0024	12.0	7.4	7.9	111.	47.	1245.0
144	2	8906	0	32	2	6/21/73	1030			10.7	0.0	111.	93.	1140.0
146	1	8783	0	32	2	6/13/73	1430			7.7	0.0	0.	0.	685.0
146	1	8864	0	32	2	6/19/73	1145			7.6	0.0	0.	0.	690.0
146	2	8782	0	32	2	6/13/73	1430			8.0	0.0	0.	0.	560.0
146	2	8866	0	32	2	6/19/73	1145			8.2	0.0	0.	0.	597.0
146	3	8779	0	32	2	6/13/73	1430			8.3	0.0	3.	1.	570.0
146	3	8868	0	32	2	6/19/73	1145			7.5	0.0	0.	0.	597.0
150	1	9251	1	32	2	7/24/73	1400	0.0018	8.0	7.7	4.0	30.	7.	312.0
151	1	8873	0	32	2	6/19/73	1430			11.2	1.4	10.	4.	607.0
151	2	8874	0	32	2	6/19/73	1430			12.2	8.1	10.	6.	2248.0
151	3	8875	0	32	2	6/19/73	1430			10.8	2.9	10.	5.	1710.0

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	VS	TSS	VSS	TDS	VDS	TKN	NH3N	ORGN	NO3N	NO2N	T-IP	O-P
9269	732.0	1708.0	552.0	1380.0	180.0	8.3	3.25	5.1	0.18	0.183	3.28	2.15
9051	4433.0	1120.0	320.0	5930.0	4113.0	1930.0	1470.00	460.0	9.40	11.100	3.02	
9272	72500.0	111230.0	70330.0	5398.0	2170.0	157.0	0.00	157.0	0.00	0.000	0.00	0.00
8877	1695.0	5033.0	1695.0	0.0	0.0	22.5	3.07	19.4	0.60	0.254	1.96	1.96
8876	3078.0	6720.0	2440.0	41160.0	638.0	7.8						13.50
8878	195.0	285.0	105.0	867.0	90.0	7.7	0.57	7.1	0.40	0.079	2.92	2.86
8904	395.0	385.0	250.0	260.0	145.0	3.3	0.48	2.8	0.00	0.039	1.31	1.26
8903	3035.0	4170.0	3035.0	682.0	0.0	224.0	159.00	65.0	0.01	0.084	19.40	19.40
8902	165.0	44.0	24.0	611.0	141.0	0.4	0.16	0.2	0.20	0.003	0.04	0.04
8901	402.0	240.0	126.0	715.0	276.0	54.0	9.08	44.9	0.46	0.079	7.00	6.90
9036	480.0	1630.0	350.0	292.0	130.0	59.0	58.00	1.0	0.09	0.083	7.80	7.80
9520	95.0	17.0	8.0	315.0	87.0	0.4	0.00	0.4	0.32	0.053	0.10	0.01
9522	275.0	17.0	6.0	743.0	269.0	1.4	1.42	0.0	0.00	0.022	0.03	0.03
9521	60.0	72.0	59.0	185.0	1.0	9.3	0.00	9.3	0.15	0.033	1.12	1.12
8919	547.0	295.0	235.0	703.0	312.0	55.0	7.66	47.3	0.52	0.078	5.70	5.70
9518	107.0	184.0	30.0	588.0	77.0	0.5	0.47	0.0	0.09	0.104	1.74	0.47
9519	217.0	216.0	35.0	784.0	182.0	0.4	0.22	0.2	0.15	0.094	0.14	0.14
8849	182.0	5.0	0.0	382.0	182.0	21.6	6.02	15.6	0.40	0.030	3.00	2.91
8867	185.0	22.0	6.0	553.0	179.0	0.3	0.19	0.1	0.02	0.021	0.02	0.02
8871	192.0	70.0	30.0	1348.0	162.0	9.4	9.33	0.1	0.24	0.222	0.05	0.04
8905	318.0	180.0	80.0	1065.0	238.0	23.0	23.00	0.0	0.15	0.123	0.62	0.62
8906	130.0	910.0	130.0	230.0	0.0	0.3	0.11	0.2	0.66	0.164	0.06	0.06
8783	145.0	12.0	12.0	673.0	133.0	0.3	0.05	0.2	0.07	0.011	0.05	0.04
8864	125.0	23.0	0.0	667.0	125.0	0.3	0.07	0.2	0.06	0.003	0.03	0.02
8782	148.0	16.0	0.0	534.0	148.0	0.5	0.03	0.5	0.01	0.011	0.00	0.00
8866	147.0	22.0	10.0	575.0	137.0	0.4	0.05	0.4	0.11	0.000	0.07	0.04
8779	178.0	11.0	11.0	559.0	167.0	0.3	0.05	0.2	0.00	0.008	0.00	0.03
8868	155.0	12.0	1.0	585.0	154.0	0.7	0.08	0.6	0.04	0.003	0.04	0.02
9251	100.0	32.0	32.0	280.0	68.0	0.2	0.20	0.0	0.20	0.024	0.09	0.07
8873	167.0	61.0	12.0	546.0	155.0	0.4	0.16	0.2	0.50	0.122	1.30	1.30
8874	610.0	27.0	11.0	2221.0	599.0	2.1	0.18	1.9	0.04	0.380	0.57	0.54
8875	408.0	106.0	46.0	1604.0	362.0	2.0	0.08	1.9	0.14	0.166	1.36	0.53

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	TALK	T-ACID	F	CL	BR	CN	S	SO3	SO4	CR04	AL	AS	BA	CA
9269	574.	1.		14.		2.40	0.00	0.	0.		1.8		1.8	
9051	2540.	0.		1230.		0.00	0.00	2040.	0.		4.0		0.0	
9272	0.	15.		0.		0.60		4100.			1600.0		1.8	
8877	426.			570.		0.10	0.26	0.						101.00
8876				19100.				0.						59.00
8878	360.			380.		0.10		786.						103.00
8904	185.			13.			0.72	0.						
8903	314.			154.			0.00							
8902	304.			29.			0.00		184.					
8901	256.			59.			0.00		149.					
9036	373.	160.		58.			25.00		0.					
9520	115.	64.		22.			0.00		61.					
9522	40.	32.		19.			0.00		19.					
9521	187.	168.		147.			0.00		51.					
8919	28.	0.		90.			0.00		6.					
9518	308.	0.		14.			0.00		32.					
9519	300.	0.		18.			0.00		49.					
8849	117.	4.		21.			0.25		41.					
8867	302.	14.		55.			0.17		110.					
8871	90.	0.		131.			0.52		768.					
8905	242.	14.		450.			0.00		0.					
8906	214.	0.		41.			0.00		0.					
8783	142.	10.		25.			0.25		331.					
8864	150.	4.		16.			0.14		330.					
8782	78.	80.		28.			0.25		184.					
8866	80.	0.		27.			0.25		294.					
8779	100.	2.		16.			0.69							
8868	149.	6.		40.			0.05		280.					
9251	80.	0.		5.			0.00		35.					
8873	107.	0.		91.			0.00		93.					
8874	1000.			28.			0.08		608.					
8875	272.			173.			0.25		308.					

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ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	TI	ZN	PHENOL	O&G	SURF	SCOND	COLOR	ODOR	TURB	T-COLI	F-COLI
9269	10.0	3.120	0.400	24.			10.	2.	19.		
9051	0.0	0.058	0.800	242.		8043.	1000.	5.	500.		
9272	0.0	29.700	3.700	626.			500000.	2.	39000.		
8877			0.070	606.	0.		100.	2.	200.		0.
8876			0.030	206.	0.		100.	2.	200.		0.
8878			0.040	229.	7.		100.	2.	200.		0.
8904				67.							
8903				604.							
8902				4216.							
8901				64.							
9036			0.170	70.							
9520			0.000	36.							
9522			0.070	334.							
9521			0.110	107.							
8919			0.100	65.							
9518			0.000	51.							
9519			0.000	41.							
8849			0.040								
8867			0.050								
8871			0.020	9.							
8905			0.120	57.							
8906			0.010	78.							
8783			0.040	110.							
8864			0.010	16.							
8782			0.050	125.							
8866			0.040	1384.							
8779			0.050	260.							
8868			0.030	0.							
9251			0.000	120.							
8873			0.130	8.							
8874			0.580	421.							
8875			0.290	8.							

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

IND	SEW	SAMP	TYPE	SIC	ENCO	DATE	TIME	FLOWRATE	FUDURAT	PH	BOD5	COD-M	TOC	TS	
151	4	8897	0	32	2	6/20/73	1445	0.0078	8.0	8.3	65.0	500.	244.	500.0	
152	1	9682	1	332	1	8/21/73	1330	0.0480	8.5	7.8	560.0	742.	330.	723.0	
154	1	9265	1	36	1	7/25/73	1100	1.0750	24.0	3.1	68.0	69.		411.0	
154	1	9276	1	36	1	7/26/73	1000			5.1	59.0	109.	36.	436.0	
154	1	9277	0	36	1	7/26/73	1000			10.0	4.6	138.0	231.	79.	1060.0
154	1	9325	1	36	1	7/27/73	1000	1.1490	24.0	5.4	21.0	29.	19.	520.0	
154	1	9326	0	36	1	7/27/73	1000			7.3		118.	19.	336.0	
155	1	9026	0	336	1	7/ 5/73	1030	0.0102	8.0	7.8	17.0	50.	3.	297.0	
157	1	9130	1	336	1	7/12/73	1100	0.0070	24.0	8.7	95.0	162.	66.	770.0	
157	102	9131	1	336	1	7/12/73	1100	0.0460	24.0	7.7	200.0	577.	146.	607.0	
159	1	8854	1	336	1	6/15/73	1500	0.0059	8.5	6.2	21.0	30.	17.	270.0	
160	1	9328	1	339	3	7/27/73	1500	0.0157	24.0	8.2	30.0	167.	3.	152.0	
161	1	9274	0	33	1	7/26/73	1000	0.0042	17.0	7.0	3.1	31.		228.0	
161	2	9303	1	34	1	7/26/73	1530	0.0042	17.0	6.9	5.5	19.	11.	228.0	
161	3	9304	1	34	1	7/26/73	1530	0.0042	17.0	7.2	4.0	28.	9.	212.0	
161	4	9317	1	33	1	7/27/73	930	0.0042	17.0	7.2	2.6	19.	17.	156.0	
162	102	15060	0	339	1	2/ 5/74	1030	0.0240	8.0	7.4	930.7	31615.	5520.	41272.3	
162	102	15061	0	339	1	2/ 5/74	1500	0.0240	8.0	7.8	0.7	6.	6.	1391.9	
162	102	15065	1	339	1	2/ 6/74	1500	0.0240	8.0	7.5	0.3	31.	8.	1300.0	
162	102	15077	0	339	1	2/ 7/74	1330	0.0240	8.0	7.8	0.6	6.	8.	1351.9	
164	1	9004	0	34	1	7/ 2/73	1600	0.0085	8.0	7.9	99.0	345.	126.	740.0	
176	2	9008	0	34	1	7/ 2/73	1600	0.0052	8.0	8.3	386.0	3418.	950.	2547.0	
176	3	9006	0	34	1	7/ 2/73	1600	0.0052	8.0	7.0	150.0	818.	280.	585.0	
176	4	9007	0	34	1	7/ 2/73	1600	0.0052	8.0	7.1	11.0	145.	41.	270.0	
183	1	9052	1	347	1	7/ 6/73	1600	0.0840	8.0	6.9		130.	15.	420.0	
185	1	8755	0	347	1	6/13/73	945			7.4	81.0	424.	108.	565.0	
185	2	8754	0	347	1	6/13/73	945	0.0001	8.0	7.1	10.0	219.	77.	977.0	
185	3	8753	0	347	1	6/13/73	945	0.6051	8.0	6.9	81.0	509.	116.	1888.0	
186	1	9002	1	347	3	7/ 2/73	1545	0.0024	9.0	6.2	43.0	45.	13.	922.0	
187	1	9606	1	347	3	8/13/73	1520	0.0049	8.0	6.9	120.0	223.	102.	670.0	
189	1	8686	0	347	1	6/ 5/73	1045	0.0001		9.3	10100.0	15500.	8000.	34700.0	
189	2	8685	0	347	1	6/ 5/73	1045	0.0001		13.4	120.0	3075.	1600.	103000.0	
189	3	8683	0	347	1	6/ 5/73	1045	0.0001		12.8	80.0	1062.	290.	25200.0	
189	4	8684	0	347	1	6/ 5/73	1045	0.0001		12.9	1800.0	3715.	1700.	54000.0	
189	5	8688	1	347	1	6/ 5/73	1530	0.0427	9.0	9.0	5.8	151.	27.	690.0	

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	VS	TSS	VSS	TDS	VDS	TKN	NH3N	ORGN	NO3N	NO2N	T-IP	O-P
8897	188.0	100.0	74.0	400.0	114.0	80.0	66.50	13.5	0.00	0.086	6.10	6.10
9682	250.0	510.0	250.0	213.0	0.0	9.3	6.51	2.8	0.00	0.124	1.00	
9265	144.0	28.0	28.0	383.0	116.0	5.5	3.77	1.7	5.28	0.016	1.30	
9276	84.0	132.0	84.0	304.0	0.0	7.3	4.41	2.9	8.70	0.005	0.88	
9277	488.0	100.0	60.0	960.0	428.0	6.9	4.57	2.3	38.99	0.011	0.57	
9325	304.0	0.0	0.0	520.0	304.0	4.9	2.12	2.8	9.08	0.019	2.88	
9326	200.0	48.0	24.0	288.0	176.0	7.2	3.81	3.4	5.53	0.174	1.68	
9026	115.0	2.0	2.0	295.0	113.0	0.0	0.00	0.0	1.12	0.000	0.12	
9130	363.0	34.0	22.0	736.0	341.0	82.0	81.20	0.8	0.00	0.000	3.36	
9131	257.0	80.0	58.0	527.0	199.0	2.0	0.53	1.5	0.00	0.046	1.09	
8854	173.0	100.0	54.0	170.0	119.0	6.1	4.22	1.9	0.17	0.064	0.59	
9328	68.0	4.0	4.0	148.0	64.0	1.1	0.27	0.8	2.53	3.070	0.21	
9274	32.0	0.0	0.0	228.0	32.0	0.4	0.00	0.4	0.10	0.000	0.00	
9303	73.0	56.0	44.0	172.0	29.0	0.2	0.17	0.0	0.39	0.070	0.23	
9304	24.0	64.0	24.0	148.0	0.0	0.0	0.00	0.0	0.21	0.000	0.06	
9317	108.0	0.0	0.0	156.0	108.0	0.1	0.06	0.0	0.17	0.003	0.08	
15060	39792.2	5735.2	5596.8	35537.1	34195.4	0.7	0.12	0.6	0.00	0.017	0.36	
15061	136.1	19.8	4.0	1372.1	132.1	0.2	0.18	0.0	0.05	0.011	0.24	
15065	192.0	30.0	6.0	1270.0	186.0	0.5	0.23	0.3	0.04	0.011	0.24	
15077	171.5	18.0	4.0	1333.9	167.5	0.2	0.12	0.1	0.07	0.011	0.18	
9004	308.0	146.0	36.0	594.0	272.0	129.0	29.50	99.5	0.03	0.011	7.10	
9008	1727.0	1700.0	740.0	847.0	987.0	171.0	124.00	47.0	0.75	0.349	20.60	
9006	262.0	155.0	80.0	430.0	182.0	41.0	32.00	9.0	0.02	0.056	2.61	
9007	110.0	40.0	13.0	230.0	97.0	1.2	0.18	1.0	0.38	0.141	0.00	
9052	98.0	18.0	8.0	402.0	90.0	2.0	1.97	0.0	0.08	0.133	1.01	
8755	237.0	240.0	115.0	325.0	122.0	26.4	19.50	6.9	0.00	0.011	1.82	
8754	12.0	104.0	68.0	873.0	56.0	0.4	0.14	0.3	0.95	0.022	0.07	
8753	1030.0	510.0	270.0	1378.0	760.0	4.3	0.73	3.6	0.00	0.011	0.21	
9002	170.0	42.0	24.0	880.0	146.0	6.5	3.95	2.6	32.85	3.150	0.29	
9606	267.0	132.0	44.0	538.0	223.0	1.3	0.16	1.1	0.51	0.011	10.00	
8686	12500.0	2880.0	2200.0	31820.0	10300.0	18.0	0.11	17.9	12.17	1.730	13.40	
8685	31400.0	48.0	19.0	102952.0	31381.0	15.9	0.17	15.7	5.05	0.351	1210.00	
8683	3540.0	49.0	13.0	25151.0	3527.0	1.8	0.40	1.4	2.16	0.139	336.00	
8684	14300.0	15.2	6.5	53984.8	14293.5	155.0	1.20	153.8	2.12	0.175	7.70	
8688	303.0	3.0	2.5	687.0	300.5	9.7	0.57	9.1	0.03	0.396	1.24	

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	TALK	T-ACID	F	CL	BR	CN	S	SO3	SO4	CR04	AL	AS	BA	CA
8897	385.	28.		66.			0.00		36.					
9682	92.		0.25									0.00		
9265	0.	11.	64.00		0.00	0.30	0.20		44.		0.2			
9276	29.	98.	88.00	96.	0.00	0.10	0.08		73.		1.4			
9277	0.	280.	72.00	45.	0.00	0.10	0.00		76.		1.2			
9325	8.	100.	18.00	95.	0.02	0.10	0.08		128.		1.3			
9326	0.	36.	9.80	44.			0.00		153.		0.2			
9026	175.		0.15								0.0	0.00		
9130	505.		0.01								0.5	0.00		
9131	224.		0.02								1.0	0.00		
8854	108.		1.10	12.							0.0	0.00		
9328	140.													
9274	75.													
9303	67.													
9304	73.			6.										
9317	74.													
15060	212.													
15061	212.													
15065	215.													
15077	215.													
9004	542.					0.00								
9008	274.													
9006	245.													
9007	93.													
9052	69.			14.		0.00	0.00		76.		0.0			
8755	140.			221.		0.14			0.		0.0	0.10		
8754	239.			330.		0.09	0.30		60.		0.0	3.20		
8753	86.			21.		0.13	0.50		0.		0.0	0.10		
9002	134.			218.		4.50	0.00		48.		5.6			
9606	85.			8.		0.20	0.00		62.		0.5			
8686	8800.			108.		0.10	0.00		0.		20.0			
8685	50000.			153.		0.50	0.00		297.		10.0			
8683	14200.			65.		0.90	0.00		142.		10.0			
8684	35100.			98.		12.70	0.00		211.		10.0			
8688	242.			33.		19.70	0.00		86.		0.0			

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	CD	CO	CR	CR-HEX	CU	FE	HG	MG	MN	MO	NA	NI	PB	SN
8897														
9682	0.00		0.04			4.20		8.60						
9265			0.00		2.30	0.79	0.0062	7.60	0.02		0.1	1.5		
9276			0.00		1.83	1.26	0.0840	8.80	0.09		0.1	2.0		
9277			0.20		1.62	2.29	0.0090	7.80	0.04		0.1	1.7		
9325			0.00		1.94	1.43	0.0540	7.60	0.01		0.2	3.0		
9326			0.00		0.66	1.13		7.20	0.00		0.0	0.0		
9026	0.00		0.00		0.02		0.0018					0.7		
9130	0.00		0.00		0.36	0.11	0.0610					0.0		
9131	0.00		0.00		0.06	0.17	0.0000					0.0		
8854	0.00		0.00		0.07		0.0000					0.0		
9328						0.05								
9274														
9303														
9304														
9317														
15060														
15061														
15065														
15077														
9004														
9008														
9006														
9007														
9052	0.00		27.00		0.77							27.0		
8755	0.00		0.00		0.05							0.4		
8754	0.01		0.00		0.04							0.2		
8753	0.00		0.00		1.92							0.5		
9002	2.30		10.20		1.93							4.7		
9606	0.00		0.11		0.11							0.0		
8686	0.02		32.00		4.40							11.0		
8685	0.05		40.00		1.70							0.4		
8683	0.00		1.24		0.48							0.4		
8684	0.04		1.10		88.00							0.5		
8688	0.00		62.00		10.00							5.8		

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ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

IND	SEW	SAMP	TYPE	SIC	ENCO	DATE	TIME	FLOWRATE	FDURAT	PH	BODS	COD-M	TOC	TS
190	1	8993	1	347	3	6/29/73	1515	0.0004	9.0	8.6	28.0	246.	65.	505.0
190	2	8994	1	347	3	6/29/73	1530	0.0093	9.0	6.2	31.0	44.	16.	1240.0
193	1	9164	0	35	1	7/13/73	1100	0.0009	8.0	7.3	670.0	698.	630.	1512.0
195	1	9627	1	36	1	8/15/73	1130	0.0230	24.0	7.4	9.9	36.	13.	367.0
195	1	9666	1	36	1	8/17/73	1300	0.0230	24.0	7.9	11.0	19.	17.	195.0
195	2	9628	1	36	1	8/15/73	1130	0.1210	24.0	7.3	153.0	306.	50.	497.0
195	2	9658	1	36	1	8/16/73	1330	0.1390	24.0	8.4	106.0	174.	83.	327.0
197	1	9743	1	35	1	8/31/73	2100	0.1130	24.0	6.2	31.0	155.	50.	288.0
197	2	9744	1	35	1	8/31/73	2100	0.1920	24.0	6.8	18.0	29.	25.	313.0
197	3	9745	1	35	1	8/31/73	2100	0.1220	24.0	6.9	18.0	58.	44.	378.0
199	1	9062	1	35	1	7/ 9/73	1500	0.0085	8.5	6.7	48.0	109.	56.	783.0
201	1	8859	0	35	1	6/18/73	1530	0.0180		8.4	21.0	30.	29.	250.0
212	1	8741	1	35	1	6/12/73	1500	0.0048	10.0	7.5	10.0	80.	74.	1645.0
216	1	8714	1	35	3	6/ 7/73	1515	0.0003	9.0	7.2	57.0	501.	92.	335.0
217	1	9575	1	35	3	8/10/73	1400	0.0004	12.0	8.5	390.0	1146.	250.	1650.0
218	1	9039	0	35	1	7/ 5/73	1000	0.0030	8.0	8.7	510.0	675.	230.	1032.0
219	1	9238	1	35	1	7/20/73	1600	0.0024	10.0	8.1	41.0	66.	59.	587.0
219	2	9643	0	35	1	8/16/73	930	0.0024	10.0	8.2	107.0	281.	91.	550.0
223	1	9058	0	35	1	7/ 9/73	1600	0.0030	8.0	6.0	7900.0	188100.	73000.	
224	1	9609	0	35	2	8/14/73	1030	0.0037	18.0	7.4	530.0	612.	172.	635.0
225	1	8738	0	35	1	6/11/73	1400	0.0120	8.0	8.9	215.0	860.	405.	1055.0
225	2	8739	0	35	1	6/11/73	1400	0.0120	8.0	7.2	34.0	175.	78.	820.0
227	1	9578	1	35	1	8/10/73	1600	0.0240	17.0	7.3	51.0	78.	48.	448.0
228	1	9059	0	27	1	7/ 9/73	1600	0.0001	17.0	8.5	3100.0	6000.	5200.	1645.0
229	1	9254	1	35	1	7/24/73	1430	0.0670	24.0	6.7	504.0	1303.	580.	1740.0
229	1	9273	1	35	1	7/24/73	1730	0.0810	24.0	7.5	307.0	544.		728.0
229	1	9307	1	35	1	7/26/73	1400	0.0650	24.0	7.4	54.0	113.	19.	424.0
231	1	8712	0	35	3	6/ 7/73	1530	0.0004	8.0	7.0	58.0	320.	116.	818.0
234	1	8713	1	35	3	6/ 7/73	1545	0.0009	8.0	8.1	340.0	1557.	630.	1420.0
243	1	9233	0	35	1	7/20/73	900	0.0024	10.0	7.4	9.0	35.	10.	309.0

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	VS	TSS	VSS	TDS	VDS	TKN	NH3N	ORGN	NO3N	NO2N	T-IP	O-P
8993	235.0	40.0	20.0	465.0	215.0	67.0	60.00	7.0	0.49	0.247	7.80	
8994	180.0	205.0	55.0	1035.0	125.0	2.3	1.31	1.0	3.49	1.510	20.00	
9164	372.0	330.0	186.0	1182.0	186.0	202.0	20.50	181.5	0.00	0.357	11.60	
9627	5.0	14.6	4.3	352.4	0.7	4.1	1.45	2.7	0.00	0.032	0.49	
9666	77.0	45.6	13.2	149.4	63.8	4.7	3.17	1.5	0.61	0.032	0.55	
9628	130.0	146.0	129.0	351.0	1.0	52.0	24.40	27.6	0.01	0.026	1.20	
9658	125.0	54.0	39.0	273.0	86.0	49.0	44.20	4.8	0.10	0.002	2.62	
9743	132.0	46.0	30.0	242.0	102.0	2.9	1.05	1.9	0.17	0.073	0.41	
9744	175.0	45.0	35.0	268.0	140.0	3.6	0.62	3.0	0.17	0.014	0.32	
9745	183.0	46.0	19.0	332.0	164.0	1.6	0.17	1.4	0.19	0.011	0.25	
9062	253.0	76.0	54.0	707.0	199.0	13.7	1.51	12.2	1.07	0.552	8.00	
8859	95.0	114.0	62.0	136.0	33.0	17.2	2.31	14.9	0.45	0.026	0.72	
8741	468.0	33.0	6.0	1612.0	462.0	20.3	16.50	3.8	0.68	0.613	1.38	
8714	138.0	74.0	38.0	261.0	100.0	10.2	6.22	4.0	0.00	0.005	0.77	
9575	578.0	1650.0	578.0	0.0	0.0	5.7	5.68	0.0	0.00	0.310	1.34	
9039	402.0	310.0	250.0	722.0	152.0	3.8	0.17	3.6	0.32	0.178	0.61	
9238	523.0	64.0	30.0	523.0	493.0	37.7	35.30	2.4	0.23	0.186	1.97	
9643	153.0	128.8	83.2	421.2	69.8	1.8	0.18	1.6	0.13	0.015	0.16	
9058		10770.0	10030.0			3.9	3.91	0.0	0.00	0.164	0.00	
9609	360.0	136.0	60.0	499.0	300.0	13.0	11.10	1.9	0.00	0.336	1.51	
8738	443.0	286.0	143.0	769.0	300.0	22.4	11.34	11.1	0.03	0.096	1.94	
8739	240.0	47.0	30.0	773.0	210.0	7.9	7.91	0.0	0.00	0.006	1.61	
9578	208.0	48.0	38.0	400.0	170.0	9.6	3.02	6.6	2.02	0.119	0.61	
9059	1063.0	610.0	495.0	1035.0	568.0	122.0	39.10	82.9	0.00	0.383	9.70	
9254	1084.0	136.0	130.0	1604.0	954.0	64.0	28.10	35.9	0.07	0.076	22.90	
9273	380.0	108.0	88.0	620.0	292.0	25.2	10.68	14.5	0.00	0.048	8.60	
9307	105.0	32.0	20.0	392.0	85.0	7.3	3.08	4.2	0.00	0.014	2.00	
8712	362.0	119.0	99.0	699.0	263.0	150.0	130.00	20.0	0.12	0.000	11.40	
8713	1018.0	890.0	700.0	530.0	318.0	102.0	54.10	47.9	0.08	0.169	20.60	
9233	133.0	28.0	20.0	281.0	113.0	0.0	0.00	0.0	0.16	0.000	0.00	

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ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

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ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

IND	SEW	SAMP	TYPE	SIC	ENCO	DATE	TIME	FLOWRATE	FUDURAT	PH	HOD5	COD-M	TOC	TS
244	1	8969	1	35	3	6/27/73	1400	0.0007	14.0	7.4	7.3	101.	7.	135.0
246	1	8914	1	36	1	6/21/73	1530	0.0645	8.0	7.9	9.1	79.	20.	278.0
246	1	8915	0	36	1	6/21/73	1530		8.0	8.8	420.0	857.	146.	325.0
257	1	9634	1	35	3	8/14/73	1410		8.0	7.7	230.0	514.	103.	1100.0
267	1	8696	1	36	1	6/ 6/73	1530	0.0128	8.0	7.0	14.0	73.	13.	195.0
267	2	8697	1	36	1	6/ 6/73	1530	0.0192	8.0	8.3	48.0	147.	38.	290.0
268	0	9212	1	36	1	7/17/73	1500	0.1350		2.8	45.0	409.	137.	815.0
271	1	9079	0	36	1	7/10/73	1600	0.0100	24.0	7.1	21.0	190.	34.	1420.0
271	3	9132	1	36	1	7/12/73	1000	0.1880	24.0	7.3	10.6	18.	17.	375.0
271	4	9090	0	36	1	7/11/73	1300	0.0320	24.0	6.9	2.0	48.	24.	310.0
273	1	8925	0	36	1	6/22/73	1430	0.0311	17.0	6.8	6.0	236.	97.	405.0
273	1	9577	1	36	1	8/10/73	1600	0.0220		7.4	16.0	39.	19.	180.0
275	1	9023	0	36	1	7/ 3/73	1600	0.0029	8.0	7.1	26.0	109.	28.	332.0
276	1	9221	1	36	3	7/18/73	1500	0.0012	9.0	3.2	70.0	567.	155.	548.0
278	1	9020	0	36	1	7/ 3/73	1600	0.0045	8.0	7.6	22.0	91.	42.	525.0
278	2	9021	0	36	1	7/ 3/73	1600	0.0045	8.0	8.1	8.1	45.	8.	307.0
280	1	9647	1	36	1	8/15/73	1100	0.1310	24.0	8.0	8.0	17.	12.	1562.0
280	2	9660	0	36	1	8/15/73	1600	0.0020	24.0	7.5	500.0	1243.	540.	713.0
280	3	9662	0	36	1	8/16/73	1600	0.0010	24.0	8.1	24.0	49.	43.	1810.0
280	5	9669	0	36	1	8/17/73	1500	0.0005	24.0	4.4	4.7	49.	12.	148.0
280	6	9670	0	36	1	8/17/73	1430	0.0050	24.0	8.0	4.1	10.	9.	157.0
284	1	9266	1	37	1	7/25/73	1215	0.0347	18.0		16.0	53.		328.0
284	1	9308	1	37	1	7/26/73	1600	0.0347	18.0	7.3	15.0	39.	7.	385.0
284	2	9337	1	37	1	7/31/73	1230	0.0213	18.0	6.9	7.0	10.	9.	200.0
284	3	9336	1	37	1	7/31/73	1245	0.0240	18.0	7.1	0.0	0.	0.	40.0
284	4	9332	0	37	1	7/30/73	1430	0.0013	18.0	7.0	57.0	98.	89.	612.0
284	5	9333	0	37	1	7/30/73	1450	0.0013	18.0	6.8	420.0	758.	79.	732.0
284	6	9334	0	37	1	7/30/73	1410	0.0013	18.0	7.5	690.0	699.	119.	1380.0
285	1	9162	0	37	1	7/12/73	1500	0.0045	8.0	9.0	1300.0	1315.	398.	4043.0
287	1	9208	1	38	3	7/17/73	1515	0.0012	8.0	7.9	570.0	914.	660.	9100.0
288	1	9210	1	38	3	7/17/73	1400	0.0007	8.0	7.7	146.0	327.	92.	2200.0
290	1	8856	1	38	3	6/18/73	1500	0.0020	8.0	7.8	96.0	120.	93.	1437.0
292	1	8855	1	38	3	6/18/73	1530	0.0010	8.0	6.9	33.0	100.	65.	398.0

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	VS	TSS	VSS	TDS	VDS	TKN	NH3N	ORGN	NO3N	NO2N	T-IP	O-P
8969	25.0	33.0	8.0	102.0	17.0	0.4	0.05	0.4	0.25	0.008	0.06	
8914	110.0	20.0	20.0	258.0	90.0	9.0	2.89	6.1	0.12	0.014	0.94	0.92
8915	125.0	3.0	3.0	322.0	122.0	27.4	8.78	18.6	0.21	0.022	1.78	1.71
9634	405.0	705.0	175.0	395.0	230.0	46.0	13.90	32.1	0.00	0.154	3.09	
8696	75.0	10.0	4.5	185.0	70.5	9.3	2.85	6.4	0.69	0.006	0.24	
8697	132.0	23.3	18.0	266.7	114.0	63.0	15.00	48.0	0.66	0.064	2.84	
9212	340.0	165.0	142.0	650.0	198.0	6.9	2.51	4.4	0.68	0.735	134.00	
9079	280.0	1420.0	280.0	0.0	0.0	1.9	0.44	1.5	0.22	0.035	0.34	
9132	217.0	43.0	5.0	332.0	212.0	3.2	1.06	2.1	0.03	0.134	0.00	
9090	68.0	300.0	68.0	10.0	0.0	1.1	0.42	0.7	0.35	0.029	0.00	
8925	215.0	400.0	210.0	5.0	5.0	11.5	0.86	10.6	0.50	0.032	1.29	
9577	70.0	39.0	31.0	141.0	39.0	4.6	0.67	3.9	0.59	0.016	0.67	
9023	118.0	29.0	19.0	303.0	99.0	3.7	0.75	3.0	0.27	0.028	2.98	
9221	244.0	9.0	2.0	539.0	242.0	15.0	6.35	8.7	0.39	0.067	0.12	
9020	190.0	116.0	33.0	409.0	157.0	48.0	16.10	31.9	0.22	0.017	2.48	
9021	128.0	28.0	9.0	279.0	119.0	11.7	1.71	10.0	0.24	0.011	0.47	
9647	242.0	73.0	28.0	1489.0	214.0	13.6	0.29	13.3	0.01	0.025	0.05	
9660	128.0	269.0	128.0	444.0	0.0	1.6	0.21	1.4	0.76	0.091	0.31	
9662	105.0	1448.0	100.0	362.0	5.0	1.0	0.37	0.6	0.46	0.005	0.11	
9669	43.0	8.3	4.7	139.7	38.3	1.1	0.21	0.9	0.19	0.010	0.11	
9670	20.0	9.3	6.3	147.7	13.7	2.5	0.21	2.3	0.61	0.000	0.27	
9266	120.0	64.0	44.0	264.0	76.0	0.1	0.08	0.0	0.12	0.011	0.10	0.10
9308	296.0	0.0	0.0	385.0	296.0	0.1	0.06	0.0	0.16	0.011	0.14	0.14
9337	128.0	0.0	0.0	200.0	128.0	2.5	0.39	2.1	0.13	0.011	0.20	0.06
9336	40.0	4.0	4.0	36.0	36.0	0.1	0.11	0.0	0.13	0.016	0.07	0.06
9332	400.0	44.0	44.0	568.0	356.0	13.5	2.77	10.7	24.30	24.700	1.93	0.11
9333	556.0	96.0	84.0	636.0	472.0	23.6	6.78	16.8	0.13	0.108	5.12	4.07
9334	900.0	48.0	36.0	1332.0	864.0	254.0	99.70	154.3	0.20	0.121	28.50	23.80
9162	3008.0	930.0	730.0	3113.0	2278.0	107.0	46.90	60.1	0.00	0.170	11.20	6.10
9208	1200.0	9000.0	1150.0	100.0	50.0	4.0	2.12	1.9	0.40	0.121	1.13	
9210	160.0	1740.0	70.0	460.0	90.0	2.3	0.46	1.8	0.09	0.033	0.36	
8856	715.0	1120.0	635.0	317.0	80.0	3.1	0.35	2.7	0.33	0.032	0.61	
8855	180.0	340.0	135.0	58.0	45.0	1.5	0.32	1.2	0.69	0.143	0.07	

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IND	SEW	SAMP	TYPE	SIC	ENCO	DATE	TIME	FLOWRATE	FDURAT	PH	BOD5	COD-M	TOC	TS
293	1	9574	1	38	3	8/10/73	1505	0.0124	8.0	8.8	27.0	97.	32.	287.0
294	1	8722	0	38	3	6/ 8/73	1445	0.0004	8.0	8.5	330.0	851.	64.	522.0
296	1	9022	1	39	1	7/ 3/73	1600	0.0197	9.0	7.3	1.3	36.	7.	170.0
297	1	8692	1	39	1	6/ 5/73	1600	0.0569	8.0	8.2	10.1	32.	9.	193.0
297	2	8693	1	39	1	6/ 5/73	1600	0.0466	8.0	8.3	24.0	69.	7.	195.0
298	1	8894	1	39	1	6/20/73	1530	0.0004	24.0	6.7	127.0	283.	95.	450.0
298	2	8895	1	39	1	6/20/73	1530	0.0196	24.0	6.7	10.6	33.	19.	203.0
299	1	13810	1	39	1	10/31/73	1130			1.9	85.0	833.	127.	1692.0
299	1	13823	1	39	1	11/ 2/73	1030			7.9	189.0	760.	92.	4504.0
299	102	13811	1	39	1	10/31/73	1130			6.4	12.0	114.	13.	4380.0
299	102	13817	1	39	1	11/ 1/73	1030			7.6	26.0	120.	0.	4764.0
300	1	9209	1	39	3	7/17/73	1415	0.0015	8.0	6.0	2300.0	2590.	2550.	15605.0
301	1	9268	1	39	3	7/25/73	1600	0.0006	8.0	11.3	78.0	1113.		1200.0
302	1	9061	0	39	1	7/ 9/73	1130	0.0009	8.0	8.3	210.0	287.	154.	735.0
302	2	9060	0	39	1	7/ 9/73	1100	0.0009	8.0	7.0	19.0	35.	33.	198.0
303	1	13234	1	39	1	9/19/73	1700	0.0027	9.0	7.3	24.0	52.	26.	236.0
303	2	13235	0	39	1	9/17/73	1600	0.0003	9.0	6.8	8.1	184.	35.	456.0
303	3	13236	0	39	1	9/17/73	1600	0.0011	9.0	7.6	54.0	369.	76.	420.0
304	1	9633	1	39	3	8/14/73	1305	0.0010	8.0	7.1	241.0	360.	113.	547.0
311	1	8926	0	35	1	6/22/73	1500	0.0048	18.0	8.3		618.	310.	1958.0
314	1	9720	1	347	3	8/24/73	1600	0.0012	9.0	8.6	550.0	971.	420.	1010.0
315	1	9608	1	347	2	8/12/73	1600	0.0049	8.0	7.2	14.0	31.	27.	185.0
316	1	9252	1	34	1	7/24/73	1400	0.0420	8.0	6.8	23.4	61.		964.0
317	1	9558	0	347	2	8/ 9/73	1400	0.0103	8.0	7.4	44.0	155.	46.	1373.0
317	2	9559	0	347	2	8/ 9/73	1500	0.0025	8.0	6.9	78.0	379.	37.	335.0
319	1	9054	1	26	2	7/ 6/73	1600	0.0013	8.0	6.8	181.0	667.	260.	623.0
322	1	9813	1	34	1	9/ 7/73	1100	0.0293	9.0	8.9	195.0	272.	99.	772.0
325	1	8732	1	34	2	6/11/73	1600	0.0255	16.0	7.9	47.0	50.	27.	172.0
325	2	8941	1	34	2	6/25/73	1600	0.1567	16.0	2.8	0.2	19.	4.	1052.0
325	2	8977	1	34	2	6/26/73	1600		16.0	6.0	56.0	818.	178.	502.0
325	3	8974	0	34	2	6/28/73	700			2.1	6.0	182.	133.	15522.0
325	4	8975	0	34	2	6/28/73	700			13.6	0.0	855.	650.	92670.0

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	VS	TSS	VSS	TDS	VDS	TKN	NH3N	ORGN	NO3N	NO2N	T-IP	O-P
9574	65.0	156.0	40.0	131.0	25.0	1.2	0.21	1.0	0.93	0.019	1.83	
8722	260.0	92.0	87.0	430.0	173.0	41.7	41.70	0.0	1.14	0.131	1.27	
9022	50.0	6.0	5.0	164.0	45.0	1.9	0.43	1.5		0.027	0.35	
8692	138.0	2.0	2.0	191.0	136.0	1.2	0.00	1.2	0.52	0.017	0.04	
8693	133.0	3.7	3.3	191.3	129.7	0.9	0.00	0.9	0.96	0.011	0.10	
8894	277.0	45.0	20.0	405.0	257.0	19.4	2.07	17.3	0.12	0.010	1.00	
8895	60.0	42.0	22.0	161.0	38.0	8.3	1.83	6.5	0.29	0.016	0.34	
13810	436.0	104.0	92.0	1588.0	344.0	54.0	28.30	25.7	0.28	0.025	28.10	
13823	936.0	150.0	124.0	4354.0	812.0	96.0	66.50	29.5	0.00	0.019	10.70	
13811	216.0	11.0	8.0	4369.0	208.0	2.3	0.90	1.4	0.09	0.117	0.12	
13817	272.0	24.0	4.0	4740.0	268.0	0.5	0.00	0.5	0.07	0.029	0.04	
9209	10915.0	6000.0	4237.0	9605.0	6678.0	165.0	90.00	75.0	2.24	0.659	13.10	
9268	551.0	356.0	236.0	844.0	315.0	53.0	7.89	45.1	0.26	0.121	3.93	
9061	318.0	120.0	60.0	615.0	258.0	167.0	29.20	137.8	0.00	0.191	5.60	
9060	95.0	83.0	38.0	115.0	57.0	0.9	0.00	0.9	0.29	0.016	0.00	
13234	120.0	40.0	24.0	196.0	96.0	11.9	1.51	10.4	0.21	0.011	0.51	
13235	204.0	32.0	16.0	424.0	188.0	6.6	5.38	1.2	0.50	0.430	0.00	
13236	300.0	144.0	136.0	276.0	164.0	37.9	19.40	18.5	0.13	0.104	2.89	
9633	277.0	210.0	128.0	337.0	149.0	1.2	0.43	0.8	0.02	0.037	0.16	
8926	623.0	1930.0	575.0	28.0	48.0	90.0	24.90	65.1	0.57	0.198	18.90	
9720	900.0	980.0	860.0	30.0	40.0	103.0	56.20	46.8	0.00	0.142	11.20	
9608	75.0	6.0	3.0	179.0	72.0	0.1	0.12	0.0	1.32	0.007	0.04	
9252	508.0	104.0	68.0	860.0	440.0	4.5	0.60	3.9	6.99	0.108	0.16	0.08
9558	883.0	121.0	87.0	1252.0	796.0	26.2	7.07	19.1	0.10	0.000	1.82	
9559	52.0	301.0	30.0	34.0	22.0	5.4	0.93	4.5	1.16	0.000	0.00	
9054	358.0	92.0	76.0	531.0	282.0	24.8	3.72	21.1	26.82	0.183	6.10	6.10
9813	390.0	130.0	100.0	642.0	290.0	118.0	61.20	56.8	0.01	0.033	5.04	
8732	67.0	11.0	7.0	161.0	60.0	0.9	0.06	0.8	0.39	0.000	0.00	
8941	263.0	7.0	1.0	1045.0	262.0	1.4	0.55	0.9	7.34	0.061	249.00	
8977	170.0	375.0	170.0	127.0	0.0	9.7	0.57	9.1	0.16	0.084	2.54	
8974	3105.0	145.0	78.0	15377.0	3027.0	510.0	493.00	17.0	7.48	0.520	2190.00	
8975	18657.0	220.0	83.0	92450.0	18574.0	3.8	0.67	3.1		0.130		

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ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	CD	CO	CR	CR-HEX	CU	FE	HG	MG	MN	MO	NA	NI	PB	SN
9574														
8722														
9022						0.27								
8692														
8693														
8894														
8895														
13810														
13823														
13811														
13817														
9209														
9268														
9061														
9060														
13234														
13235														
13236														
9633														
8926														
9720	0.00		0.00		1.19						0.1			
9608	0.02		0.21		0.06						0.2			
9252	0.63		0.69		0.32						0.2			
9558	0.00		0.00		0.04						0.2			
9559	0.02		0.00		0.00						0.1			
9054		2.70	1.00	0.35		0.0000				17.50	0.2	1.0		
9813														
8732														
8941		0.23		0.16	3.80						0.7			
8977		3.90		0.19	0.42						0.8			
8974		1250.00		300.00	50.00						450.0			
8975		0.67		0.86	10.30						1.1			

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ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

IND	SEW	SAMP	TYPE	SIC	ENCO	DATE	TIME	FLOWRATE	FDURAT	PH	BOD5	COD-M	TOC	TS
325	5	8976	0	34	2	6/28/73	700			6.6	74.0	3164.	720.	202980.0
326	1	9247	1	34	2	7/23/73	1600	0.1776	8.0	7.9	21.0	24.	15.	216.0
335	1	9713	1	29	1	8/24/73	1100	0.0103	14.0	7.7	7.9	10.	8.	508.0
339	1	8872	1	201	3	6/19/73	1530	0.0144	8.0	6.9	156.0	649.	30.	1447.0
340	1	13353	1	201	3	10/1/73	1330	0.0006	8.0	10.0	184.0	1461.	76.	1168.0
342	1	9240	1	721	3	7/20/73	1800	0.1952	15.0	11.6	468.0	863.	290.	1492.0
342	2	9399	1	721	3	8/3/73	1530	0.1451	8.0	8.7	14.0	126.	50.	768.0
342	3	9674	1	721	3	8/20/73	2130	0.1290	15.0	10.2	160.0	309.	93.	825.0
343	1	9635	1	721	3	8/14/73	1500	0.2143	14.0	12.3	710.0	5290.	1488.	5690.0
345	1	9019	1	26	2	7/3/73	1615	0.0022	8.0	7.0	360.0	818.	260.	590.0
347	1	9203	1	26	2	7/16/73	2345	0.0074	14.0	8.9	140.0	362.	180.	584.0
352	1	8881	1	721	2	6/19/73	1600	0.1200	8.0	11.7	87.0	1070.	420.	2515.0
352	2	8882	1	721	2	6/19/73	1600	0.0030	8.0	9.1	29.0	192.	56.	1892.0
354	1	9302	1	721	3	7/26/73	1200	0.0475	11.0	9.5	1200.0	7013.	920.	4864.0
355	1	8776	1	721	3	6/14/73	1530	0.0715	9.0	8.2	40.0	567.	119.	628.0
357	1	8944	1	36	3	6/25/73	1600	0.0048	8.0	7.0	13.0	78.	31.	412.0
357	2	8945	1	36	3	6/25/73	1600	0.0967	8.0	7.2	5.0	107.	27.	495.0
359	1	8943	1	38	3	6/25/73	1600	0.0012	8.0	7.3	6.5	39.	33.	460.0
367	1	8956	1	721	3	6/25/73	2100	0.0682	14.0	11.1	348.0	624.	202.	1147.0
368	1	8757	1	721	3	6/13/73	1530	0.0406	16.0	11.2	186.0	562.	156.	930.0
369	1	8954	1	24	2	6/26/73	1630	0.0012	8.0	6.5	340.0	1592.	803.	780.0
371	1	8896	1	26	2	6/20/73	1630	0.0004	8.0	8.3	35.0	250.	121.	674.0
374	1	9727	1	201	3	8/29/73	1420	0.0003	10.0	6.4	2070.0	3467.	1640.	2925.0
376	1	13761	1	36	3	10/24/73	1530	0.0389	8.0	6.1	35.0	420.	50.	624.0
376	1	13809	1	36	3	10/31/73	1030		8.0	1.6	15.0	73.	12.	228.0
384	1	9271	1	36	3	7/25/73	1115	0.0060	8.0	7.3	11.0	20.		436.0
386	1	9683	0	35	2	8/22/73	1130	0.0003	8.0	2.0	0.0	583.	62.	1638.0
387	1	13220	0	36	3	9/20/73	1000	0.0022	10.0	7.3	360.0	738.	320.	1312.0

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	VS	TSS	VSS	TDS	VDS	TKN	NH3N	ORGN	NO3N	NO2N	T-IP	O-P
8976	140253.0	288.0	222.0	202692.0	140031.0	20.5	18.50	2.0	0.00	0.010	1940.00	
9247	124.0	12.0	7.0	204.0	117.0	0.2	0.20	0.0	0.17	0.030	0.12	
9713	48.0	46.0	36.0	462.0	12.0	0.0	0.00	0.0	0.16	0.008	0.14	0.14
8872	720.0	540.0	340.0	907.0	380.0	15.6	8.66	6.9	14.27	0.826	0.96	
13353	548.0	200.0	144.0	968.0	404.0	24.0	2.54	21.5	0.07	0.040	3.70	0.00
9240	772.0	192.0	156.0	1300.0	616.0	8.0	1.13	6.9	0.25	0.097	7.30	
9399	233.0	116.0	40.0	652.0	193.0	4.1	0.43	3.7	0.36	0.148	0.50	0.21
9674	230.0	84.0	82.0	741.0	148.0	4.9	0.30	4.6	0.14	0.108	0.92	
9635	1650.0	1742.0	1508.0	3948.0	142.0	19.6	8.08	11.5	1.56	1.044	25.50	
9019	330.0	60.0	53.0	530.0	277.0	38.0	25.70	12.3	0.05	0.034	2.15	1.45
9203	308.0	26.0	22.0	558.0	286.0	34.6	10.25	24.4	0.13	0.049	0.95	0.93
8881	1060.0	633.0	420.0	1882.0	640.0	12.7	1.89	10.8	0.03	0.227	18.50	
8882	190.0	640.0	160.0	1252.0	30.0	1.3	0.65	0.7	0.00	0.069	1.66	
9302	1880.0	2468.0	1040.0	2396.0	840.0	14.3	8.81	5.5	2.01	0.894	25.70	
8776	197.0	164.0	86.0	464.0	111.0	97.1	97.10	0.0	1.27	0.071	3.13	
8944	60.0	224.0	60.0	188.0	0.0	0.6	0.05	0.6	0.01	0.005	0.46	
8945	90.0	268.0	74.0	227.0	16.0	0.6	0.05	0.6	0.01	0.007	1.15	
8943	147.0	72.0	49.0	388.0	98.0	2.2	0.21	2.0	0.05	0.026	0.15	
8956	402.0	196.0	120.0	951.0	282.0	40.0	20.00	20.0	0.54	0.114	5.00	
8757	405.0	146.0	85.0	784.0	320.0	21.0	14.00	7.0	0.91	0.108	7.40	
8954	628.0	190.0	140.0	590.0	488.0	6.9	6.86	0.0	0.26	0.640	4.35	
8896	242.0	66.0	36.0	683.0	206.0	77.0	33.90	43.1	0.34	0.495	4.01	4.01
9727	2137.0	450.0	410.0	2475.0	1727.0	310.0	127.00	183.0	0.15	0.064	58.80	50.90
13761	256.0	244.0	142.0	380.0	114.0	104.0	87.10	16.9	0.36	0.011	0.03	
13809	56.0	25.0	11.0	203.0	45.0	18.3	13.40	4.9	0.18	0.011	0.22	
9271	144.0	436.0	144.0	0.0	0.0	9.6	4.54	5.1	0.12	0.035	1.12	1.12
9683	1032.0	103.1	80.0	1534.9	952.0	2.7	0.00	2.7	309.89	0.106	0.77	
13220	544.0	400.0	292.0	912.0	252.0	98.0	72.90	25.1	0.00	0.218	2.61	

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	TALK	T-ACID	F	CL	BR	CN	S	S03	S04	CR04	AL	AS	BA	CA
8976		0.												
9247		83.												
9713		79.			17.			0.07		8.				
8872		118.			64.									
13353		498.			96.									
9240		434.												
9399		313.				92.								
9674		286.								110.				
9635		1570.												
9019		216.	60.		53.	0.00		0.00	4.	276.				
9203		230.	0.		67.	0.00		0.00	26.	25.				
8881		910.												
8882		350.												
9302		1150.												
8776		162.												
8944		87.	16.		27.	1.10		0.00	7.			1.5		
8945		99.	8.		30.	1.20		0.00	0.			4.3		
8943		233.			39.									
8956		630.												
8757		540.												
8954		0.			27.									
8896		392.	0.		112.	0.00		0.00	1.	64.				
9727		490.			141.									
13761		70.	48.		80.	0.00	1.80	0.00	28.		1.0			
13809		111.	4.		24.	0.00	0.00	0.00	4.		0.7			
9271		82.	2.		43.	0.00	0.00	0.00	0.		0.6			
9683		0.												
13220		501.	100.		54.	0.00	3.70	1.10	278.		1.5			

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	CD	CC	CR	CR-HEX	CU	FE	HG	MG	MN	MO	NA	NI	PB	SN
8976				1.88		1.30	102.00						4.5	
9247														
9713														
8872														
13353														
9240														
9399														
9674														
9635														
9019			0.00	0.00	0.39		0.0052				34.00	0.3	0.2	
9203			0.00	0.00	0.14		0.0000				86.50	0.0	1.6	
8881														
8882														
9302														
8776														
8944			0.07		0.00	0.42	0.0180	6.20	0.02			0.0	0.0	
8945			0.07		0.00	0.82	0.1200	6.20	0.06			0.0	0.0	
8943														
8956														
8757														
8954														
8896			0.00	0.00	0.51		0.0000				46.10	0.1		
9727														
13761			0.04		32.00	1.14	0.0036	8.00	0.05			0.4	5.0	
13809			0.87		7.00	0.36	0.0035	9.70	0.06			0.3	0.1	
9271			0.00		0.07	2.06	0.0038	6.70	0.02			0.1	0.5	
9683														
13220			0.30		1.00	10.00	0.0012	32.00	0.10			0.0	0.0	

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ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

IND	SEW	SAMP	TYPE	SIC	ENCO	DATE	TIME	FLOWRATE	FDURAT	PH	BOD5	COD-M	TOC	TS
388	1	9199	0	37	1	7/13/73	1600	0.0030	8.0	7.0	410.0	495.	440.	638.0
393	1	9724	1	332	1	8/24/73	1700	0.0667	9.0	4.8	96.0	544.	67.	1295.0
394	1	8736	0	332	1	6/11/73	1400	0.0006	8.0	6.9	0.0	7.	5.	355.0
394	2	8737	0	332	1	6/11/73	1400	0.0006	8.0	6.7	9.2	31.	27.	253.0
395	1	9227	1	336	1	7/19/73	1615	0.0040		7.5	43.0	197.	31.	176.0
397	1	9206	0	26	2	7/17/73	1000	0.0160	24.0	8.0	67.0	143.	73.	568.0
397	2	9214	1	26	2	7/18/73	900	0.1500	24.0	7.9	30.0	242.	55.	704.0
398	1	9680	1	39	1	8/21/73	1400	0.0300	24.0	7.8	300.0	319.	42.	640.0
399	1	9676	1	36	1	8/21/73	1100	0.0390	24.0	8.5	130.0	216.	65.	415.0
400	1	9378	1	202	1	8/2/73	1700	0.0300	8.0	6.7	360.0	849.	59.	792.0
406	1	8921	0	26	2	6/22/73	1430	0.0005	24.0	7.9	43.0	318.	150.	575.0
406	2	8922	0	26	2	6/22/73	1430			8.1	0.2	27.	5.	355.0
406	3	8923	0	26	2	6/22/73	1430			7.7	0.2	27.	5.	407.0
406	3	8932	0	26	2	6/25/73	1400			7.4	2.3	56.	23.	403.0
406	4	8931	0	26	2	6/25/73	1400			7.4	2.0	20.	14.	368.0
406	6	8933	0	26	2	6/25/73	1400			6.9	186.0	1047.	270.	1258.0
407	1	9000	1	26	2	6/29/73	1600	0.0036	8.0	8.4	356.0	3090.	650.	208.0
409	1	8751	1	33	1	6/13/73	1100	0.0749	24.0	7.5	390.0	952.	170.	482.0
409	2	8752	1	33	1	6/13/73	1100	0.0083	24.0	12.4	30.0	233.	107.	2087.0
410	1	9664	0	33	2	8/17/73	1000	0.0134	24.0	7.6	9.0	10.	6.	178.0
410	2	9663	0	33	2	8/17/73	1000	0.0134	24.0	7.7	9.0	10.	8.	203.0
416	1	9338	1	205	3	7/31/73	1530	0.0007		8.2	5500.0	6000.	3690.	6616.0
421	1	8778	0	32	2	6/13/73	1535			9.9	0.9	58.	0.	1518.0
421	2	8784	0	32	2	6/13/73	1545			7.7	0.0	0.	0.	1320.0
421	3	9524	0	32	2	8/8/73	1000			6.1	6.1	154.	23.	808.0
421	4	9525	0	32	2	8/8/73	1000			6.3	0.8	38.	17.	377.0
430	1	9202	0	202	1	7/16/73	1000	0.0086	14.0	7.1	0.3	10.	2.	292.0
435	1	9329	1	36	3	7/27/73	1445	0.0079	24.0	7.1	680.0	882.	50.	1796.0
436	1	9668	1	27	2	8/17/73	1600	0.0022	7.0	8.3	380.0	530.	500.	1285.0
441	1	9219	1	50	3	7/18/73	1145	0.0002	8.0	7.8	14.0	51.	20.	330.0
442	1	9205	1	50	3	7/16/73	1530	0.0019	8.0	7.7	10.0	10.	8.	1172.0

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	VS	TSS	VSS	TDS	VDS	TKN	NH3N	ORGN	NO3N	NO2N	T-IP	O-P
9199	250.0	75.0	75.0	563.0	175.0	22.1	20.30	1.8	0.27	0.028	1.60	1.43
9724	432.0	467.0	390.0	828.0	42.0	30.5	28.70	1.8	0.00	0.011	2.28	
8736	142.0	9.4	2.1	345.6	139.9	0.3	0.26	0.0	0.62	0.011	0.00	
8737	88.0	17.3	8.6	235.7	79.4	2.8	0.53	2.3	3.98	0.116	0.07	
9227	92.0	38.0	32.0	138.0	60.0	10.6	7.14	3.5	0.16	0.020	0.63	
9206	140.0	15.0	10.0	553.0	130.0	0.4	0.06	0.3	0.08	0.005	0.06	0.05
9214	268.0	88.0	68.0	616.0	200.0	0.2	0.06	0.1	0.10	0.006	0.24	0.03
9680	260.0	117.0	97.0	523.0	163.0	36.6	24.80	11.8	0.00	0.019	3.42	
9676	127.0	88.0	60.0	327.0	67.0	49.0	32.40	16.6	0.00	0.032	3.49	
9378	375.0	113.0	106.0	679.0	269.0	20.8	3.80	17.0	0.01	0.127	19.90	12.60
8921	230.0	90.0	80.0	485.0	150.0	132.0	109.00	23.0	0.02	0.022	11.10	10.20
8922	25.0	96.0	24.0	259.0	1.0	0.7	0.18	0.5	0.43	0.019	0.09	0.08
8923	95.0	96.0	28.0	311.0	67.0	0.5	0.00	0.5	0.47	0.016	0.09	0.08
8932	110.0	57.0	16.0	346.0	94.0	0.4	0.11	0.3	0.09	0.019	0.02	0.02
8931	152.0	47.0	11.0	321.0	141.0	0.4	0.14	0.3	0.08	0.021	0.04	0.03
8933	768.0	730.0	450.0	528.0	318.0	6.9	1.66	5.2	0.00	0.164	0.57	0.51
9000	160.0	206.0	150.0	2.0	10.0	117.0	50.30	66.7	0.04	0.042	10.80	8.70
8751	143.0	9.0	9.0	473.0	134.0	0.4	0.00	0.4	0.53	0.002	0.00	
8752	282.0	320.0	114.0	1767.0	168.0	5.8	5.83	0.0	1.76	0.027	0.26	
9664	58.0	14.0	7.0	164.0	51.0	1.0	0.16	0.8	0.62	0.000	0.05	
9663	47.0	46.0	16.4	157.0	30.6	0.8	0.12	0.7	0.19	0.006	0.03	
9338	6180.0	888.0	888.0	5728.0	5292.0	16.9	0.83	16.1	0.05	0.099	13.70	
8778	280.0	206.0	22.0	1312.0	258.0	0.6	0.27	0.3	1.25	0.462	0.54	0.54
8784	153.0	16.0	7.0	1304.0	146.0	0.1	0.08	0.0	0.37	0.133	0.37	0.37
9524	113.0	800.0	109.0	8.0	4.0	0.5	0.49	0.0	0.83	0.147	0.38	0.38
9525	70.0	4.0	2.0	373.0	68.0	0.1	0.07	0.0	0.69	0.101	0.09	0.09
9202	232.0	0.0	0.0	292.0	232.0	0.0	0.00	0.0	0.18	0.000	0.00	0.00
9329	988.0	593.0	147.0	1203.0	841.0	60.0	36.00	24.0	0.00	0.063	19.80	
9668	377.0	41.0	19.0	1244.0	358.0	18.3	18.30	0.0	16.09	0.106	0.25	
9219	128.0	323.0	80.0	7.0	48.0	0.9	0.07	0.8	0.01	0.008	0.00	
9205	648.0	0.0	0.0	1172.0	648.0	7.9	6.55	1.4	0.05	0.005	0.43	

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ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

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IND	SEW	SAMP	TYPE	SIC	ENCO	DATE	TIME	FLOWRATE	FDURAT	PH	BOD5	COD-M	TOC	TS
445	1	9200	1	35	1	7/13/73	1530	0.0120	8.0	10.5	53.0	196.	110.	752.0
445	2	9667	0	35	1	8/17/73	1400	0.0030	8.0	8.2	8.5	10.	10.	115.0
447	1	9702	1	208	1	8/23/73	1030	0.0733	18.0	5.1	1860.0	2060.	1040.	1387.0
448	1	9718	1	314	3	8/24/73	1600	0.0390	8.0	7.0	89.0	175.	104.	2435.0
449	1	9398	1	23	3	8/ 3/73	1500	0.0585	8.0	7.8	235.0	437.	65.	1850.0
450	1	9624	0	42	2	8/15/73	1630	0.0180	16.0	8.2	16.0	144.	35.	740.0
454	1	9729	1	721	3	8/24/73	1405	0.0013		6.7	190.0	324.	78.	248.0
455	1	9686	0	721	3	8/22/73	1420	0.0174	15.0	10.0	560.0	583.	159.	887.0
456	1	9728	1	721	3	8/29/73	1345	0.0075	13.0	6.9	114.0	952.	133.	1062.0
457	1	13354	1	721	3	10/ 1/73	1200	0.0085	14.0	9.1	150.0	452.	90.	1184.0
459	1	13370	0	721	3	10/ 9/73	830	0.0099	15.0	9.2	120.0	780.	103.	1592.0
460	1	13335	0	721	3	9/26/73	1200	0.0127	16.0	7.3	30.0	854.	46.	524.0
462	1	9391	0	7542	2	8/ 3/73	1330	0.0023	24.0	8.0	390.0	544.	100.	1388.0
463	1	9561	0	7542	2	8/10/73	1100	0.0170	12.0	8.7	34.0	146.	59.	445.0
464	1	9717	0	7542	2	8/24/73	1430	0.0042	24.0	8.0	82.0	97.	90.	808.0
465	1	9570	0	7542	2	8/10/73	1430	0.0064	12.0	7.2	15.0	78.	32.	250.0
466	1	9576	0	7542	2	8/10/73	1530	0.0039	24.0	8.3	280.0	796.	420.	2420.0
467	1	9501	0	7542	2	8/ 3/73	1530	0.0109	13.0	7.6	31.0	194.	50.	343.0
468	1	9560	1	423	2	8/10/73	1000	0.0080	24.0	6.8	0.0	29.	21.	215.0
469	1	9580	0	7542	2	8/10/73	1700	0.0001	24.0	7.5	130.0	243.	100.	855.0
470	1	9665	0	417	2	8/17/73	930	0.0180	24.0	9.5	250.0	621.	91.	710.0
471	1	13249	1	806	2	9/26/73	800	0.0008	24.0	7.7	107.0	175.	67.	464.0
472	1	9801	1	806	3	9/ 5/73	1500	0.1250	24.0	7.4	74.0	98.	12.	2073.0
472	1	9814	1	806	3	9/ 7/73	1500	0.1250	24.0	7.6	18.0	33.	8.	2080.0
472	2	9805	1	806	3	9/ 5/73	1510	0.0750	24.0	7.1	169.0	243.	89.	345.0
472	2	9815	1	806	3	9/ 7/73	1510	0.0750	24.0	7.4	120.0	136.	51.	382.0
472	3	9806	1	806	3	9/ 5/73	1520	0.0100	24.0	6.5	109.0	136.	59.	1030.0
472	3	9817	1	806	3	9/ 7/73	1520	0.0100	24.0	7.1	83.0	340.	129.	2275.0
472	4	9808	1	806	3	9/ 5/73	1530	0.0250	24.0	7.1	40.0	80.	25.	178.0

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	VS	TSS	VSS	TDS	VDS	TKN	NH3N	ORGN	NO3N	NO2N	T-IP	O-P
9200	254.0	0.0	0.0	752.0	254.0	10.7	0.90	9.8	0.28	0.011	1.06	
9667	40.0	7.5	2.9	107.5	37.1	41.0	0.32	40.7	0.53	0.000	0.16	
9702	1102.0	130.0	87.0	1257.0	1015.0	8.0	0.00	8.0	0.00	0.022	9.70	5.50
9718	802.0	2378.0	783.0	57.0	19.0	14.9	5.12	9.8	0.00	0.051	0.66	
9398	378.0	313.0	207.0	1537.0	171.0	36.7	15.20	21.5	0.07	0.049	7.60	5.08
9624	140.0	735.0	135.0	5.0	5.0	0.3	0.26	0.0	0.16	0.158	1.12	
9729	148.0	163.0	133.0	85.0	15.0	31.0	0.05	31.0	0.13	0.053	0.88	
9686	400.0	76.0	39.0	811.0	361.0	11.2	0.43	10.8	0.16	0.059	1.55	
9728	362.0	328.0	200.0	734.0	162.0	127.0	3.60	123.4	0.00	0.234	2.72	
13354	504.0	194.0	76.0	990.0	428.0	12.1	3.16	8.9	0.00	0.022	2.62	
13370	408.0	136.0	120.0	1456.0	288.0	12.6	1.75	10.9	1.46	0.069	1.91	
13335	96.0	88.0	12.0	436.0	84.0	2.0	0.15	1.9	0.00	0.056	0.75	
9391	488.0	437.0	75.0	951.0	413.0	10.4	1.08	9.3	0.00	0.329	34.20	
9561	110.0	61.0	35.0	384.0	75.0	25.1	0.03	25.1	1.08	0.026	2.55	
9717	210.0	780.0	205.0	28.0	5.0	1.8	0.33	1.5	0.75	0.074	32.70	
9570	60.0	76.0	23.0	174.0	37.0	1.8	0.10	1.7	0.71	0.026	0.15	
9576	283.0	309.0	74.0	2111.0	209.0	6.2	2.10	4.1	0.84	0.168	46.50	
9501	163.0	77.0	35.0	266.0	128.0	1.0	0.16	0.8	0.26	0.016	0.34	
9560	20.0	43.0	13.0	172.0	7.0	0.8	0.00	0.8	0.11	0.093	0.00	
9580	177.0	120.0	37.0	735.0	140.0	3.7	0.67	3.0	0.19	0.057	7.80	
9665	203.0	710.0	203.0	0.0	0.0	2.9	0.27	2.6	1.86	0.245	1.89	
13249	172.0	128.0	53.0	336.0	119.0	19.1	6.11	13.0	0.00	0.543	4.98	
9801	333.0	50.0	2.0	2023.0	331.0	0.4	0.05	0.4	0.12	0.012	0.06	
9814	415.0	12.0	10.0	2068.0	405.0	0.2	0.00	0.2	0.00	0.003	0.06	
9805	140.0	67.0	61.0	278.0	79.0	13.9	4.65	9.3	0.01	0.025	3.39	
9815	172.0	23.0	16.0	359.0	156.0	15.8	5.00	10.8	0.15	0.039	3.33	
9806	848.0	855.0	815.0	175.0	33.0	7.0	3.06	3.9	0.08	0.002	0.81	
9817	2085.0	1091.0	1012.0	1184.0	1073.0	3.1	1.20	1.9	0.14	0.009	0.69	
9808	55.0	39.0	33.0	139.0	22.0	6.1	3.44	2.7	0.21	0.062	0.28	

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ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

IND	SEW	SAMP	TYPE	SIC	ENCO	DATE	TIME	FLOWRATE	FUDURAT	PH	BOD5	COD-M	TOC	TS
472	4	9818	1	806	3	9/ 7/73	1530	0.0250	24.0	7.1	32.0	72.	22.	248.0
472	5	9807	1	806	3	9/ 5/73	1540	0.0150	24.0	6.6	123.0	146.	66.	320.0
472	5	9816	1	806	3	9/ 7/73	1515	0.0150	24.0	7.5	33.0	87.	39.	305.0
473	1	9750	1	4222	2	8/30/73	1700	0.0043	16.0	7.3	39.0	107.	56.	563.0
473	2	9774	1	4222	2	8/30/73	1700	0.0019	16.0	9.2	90.0	203.	147.	587.0
475	1	9739	1	423	2	8/29/73	2200	0.0080	9.5	11.1	81.0	175.	105.	618.0
600	1	13258	1	0	1	9/25/73	1000			6.5			210.	340.0
600	2	13259	1	0	1	9/25/73	1100			7.1			250.	356.0
600	3	13260	1	0	1	9/25/73	1200			6.7			115.	364.0
600	4	13261	1	0	1	9/25/73	1300			6.7			121.	352.0
600	5	13262	1	0	1	9/25/73	1400			8.6			240.	340.0
600	6	13263	1	0	1	9/25/73	1500			5.6			600.	532.0
600	7	13264	1	0	1	9/25/73	1600			7.9	162.0	447.	71.	508.0
600	8	13265	1	0	1	9/25/73	1700			6.8			66.	3976.0
600	9	13266	1	0	1	9/25/73	1800			6.3			200.	2188.0
600	10	13267	1	0	1	9/25/73	1900			6.7			99.	636.0
600	11	13268	1	0	1	9/25/73	2000			7.2			82.	800.0
600	12	13269	1	0	1	9/25/73	2100			11.3			310.	634.0
600	13	13270	1	0	1	9/25/73	2200			7.9			420.	413.0
600	14	13271	1	0	1	9/25/73	2300			7.4			52.	392.0
600	15	13272	1	0	1	9/25/73	2400			9.7	99.0	320.	27.	1044.0
600	16	13273	1	0	1	9/26/73	100			7.4			22.	764.0
600	17	13274	1	0	1	9/26/73	200			7.4			9.	700.0
600	18	13275	1	0	1	9/26/73	300			6.9			18.	672.0
600	19	13276	1	0	1	9/26/73	400			7.1			27.	928.0
600	20	13277	1	0	1	9/26/73	500			7.2			18.	824.0
600	21	13278	1	0	1	9/26/73	600			7.4			32.	548.0
600	22	13279	1	0	1	9/26/73	700			7.5			230.	748.0
600	23	13280	1	0	1	9/26/73	800			8.3	55.0	136.	260.	728.0
600	24	13281	1	0	1	9/26/73	900							
600	25	13301	0	0	1	9/26/73	930							
600	26	13302	0	0	1	9/26/73	1030			6.8			113.	672.0
600	27	13303	0	0	1	9/26/73	1130							
600	28	13304	0	0	1	9/26/73	1230			4.8			420.	1408.0
600	29	13305	0	0	1	9/26/73	1330			5.6			1740.	5100.0
600	30	13306	0	0	1	9/26/73	1430			6.9			290.	
600	31	13307	0	0	1	9/26/73	1530			5.9			220.	751.0
600	32	13308	0	0	1	9/26/73	1630			4.5	1100.0	1922.	1410.	3228.0
600	33	13309	0	0	1	9/26/73	1730			6.8			18.	
600	34	13310	0	0	1	9/26/73	1830			7.0			82.	876.0
600	35	13311	0	0	1	9/26/73	1930			7.1			66.	552.0
600	36	13312	0	0	1	9/26/73	2030			7.3			36.	416.0
600	37	13313	0	0	1	9/26/73	2130			7.3			34.	413.0
600	38	13314	0	0	1	9/26/73	2230			7.5			79.	704.0
600	39	13315	0	0	1	9/26/73	2330			7.4			35.	448.0
600	40	13316	0	0	1	9/27/73	130			7.9	85.0	97.	39.	580.0
600	41	13317	0	0	1	9/27/73	130			7.9			25.	436.0

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SAMP	VS	TSS	VSS	TDS	VDS	TKN	NH3N	ORGN	NO3N	NO2N	T-IP	O-P
9818	153.0	24.0	11.0	224.0	142.0	7.7	3.84	3.9	0.20	0.117	0.67	
9807	145.0	35.0	32.0	285.0	113.0	3.0	0.55	2.5	0.00	0.012	1.80	
9816	185.0	25.0	19.0	280.0	166.0	3.8	0.44	3.4	0.16	0.028	2.76	
9750	260.0	13.0	8.0	550.0	252.0	14.3	9.55	4.8	10.72	2.380	1.93	
9774	242.0	42.0	9.0	545.0	233.0	121.0	111.60	9.4	0.01	0.025	10.10	
9739	278.0	32.0	22.0	586.0	256.0	1.8	0.11	1.7	0.53	0.036	4.77	
13258	168.0	166.0	148.0	174.0	20.0	8.9	0.98	7.9	0.00	0.010	0.33	
13259	164.0	174.0	140.0	182.0	24.0	8.7	0.41	8.3	0.00	0.012	1.07	
13260	260.0	232.0	204.0	132.0	56.0	12.9	6.32	6.6	0.00	0.015	0.80	
13261	150.0	198.0	148.0	154.0	2.0	23.8	11.40	12.4	0.00	0.013	0.45	
13262	132.0	154.0	124.0	186.0	8.0	11.7	0.31	11.4	0.00	0.013	1.39	
13263	288.0	186.0	132.0	346.0	156.0	11.7	1.09	10.6	0.00	0.041	1.06	
13264	196.0	146.0	108.0	362.0	88.0	20.6	13.50	7.1	0.00	0.012	2.32	
13265	2112.0	180.0	132.0	3796.0	1980.0	17.7	11.90	5.8	0.00	0.012	2.55	
13266	816.0	245.0	176.0	1943.0	640.0	20.9	11.90	9.0	0.00	0.026	2.15	
13267	212.0	266.0	180.0	370.0	32.0	16.4	9.79	6.6	0.00	0.018	4.39	
13268	272.0	190.0	132.0	610.0	140.0	18.8	12.70	6.1	0.00	0.012	3.64	
13269	336.0	160.0	132.0	474.0	204.0	31.7	5.75	26.0	0.12	0.326	5.37	
13270	204.0	317.0	194.0	96.0	10.0	23.2	13.00	10.2	0.00	0.046	3.18	
13271	144.0	200.0	144.0	192.0	0.0	15.1	10.60	4.5	0.01	0.015	3.91	
13272	728.0	142.0	92.0	902.0	636.0	12.9	9.69	3.2	0.03	0.006	2.65	
13273	416.0	104.0	64.0	660.0	352.0	9.9	8.08	1.8	0.00	0.256	0.99	
13274	316.0	112.0	60.0	588.0	256.0	13.1	10.47	2.6	0.07	0.154	1.19	
13275	300.0	86.0	56.0	586.0	244.0	7.8	6.11	1.7	0.11	0.061	0.83	
13276	512.0	103.0	76.0	825.0	436.0	11.8	8.91	2.9	0.01	0.005	0.81	
13277	452.0	116.0	68.0	708.0	384.0	16.7	14.00	2.7	0.05	0.066	1.47	
13278	300.0	144.0	128.0	404.0	172.0	15.5	10.90	4.6	0.03	0.044	2.22	
13279	424.0	133.0	92.0	615.0	332.0	21.6	14.00	7.6	0.00	0.012	2.12	
13280	384.0	140.0	116.0	588.0	268.0	12.7	4.97	7.7	0.08	0.051	1.62	
13281												
13301												
13302	244.0	180.0	76.0	492.0	168.0	12.2	3.06	9.1	0.00	0.023	1.53	
13303												
13304	548.0	44.0	44.0	1364.0	504.0	13.8	3.48	10.3	0.00	0.034	4.36	
13305	4148.0	140.0	72.0	4960.0	4076.0	7.1	0.06	7.0	0.00	0.028	9.70	
13306		156.0	52.0			4.0	0.34	3.7	0.03	0.017	8.80	
13307	411.0	108.0	40.0	643.0	371.0	9.8	0.74	9.1	0.00	0.023	1.43	
13308	2728.0	156.0	112.0	3072.0	2616.0	10.5	0.11	10.4	0.00	0.063	10.70	
13309		240.0	96.0			8.0	4.42	3.6	0.00	0.006	0.45	
13310	532.0	84.0	24.0	792.0	508.0	7.4	1.30	6.1	0.00	0.014	1.90	
13311	144.0	60.0	0.0	492.0	144.0	14.5	10.98	3.5	0.00	0.011	1.65	
13312	116.0	44.0	12.0	372.0	104.0	8.1	4.59	3.5	0.00	0.006	1.81	
13313	68.0	36.0	8.0	377.0	60.0	9.3	5.61	3.7	0.01	0.212	2.43	
13314	152.0	156.0	60.0	548.0	92.0	5.7	0.79	4.9	0.08	0.107	2.80	
13315	124.0	40.0	8.0	408.0	116.0	11.7	8.61	3.1	0.00	0.218	2.24	
13316	172.0	60.0	24.0	520.0	148.0	17.8	15.30	2.5	0.01	0.115	1.84	
13317	84.0	32.0	0.0	404.0	84.0	10.0	8.89	1.1	0.00	0.289	2.74	

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	TALK	T-ACID	F	CL	BR	CN	S	SO3	SO4	CR04	AL	AS	BA	CA
9818		71.												
9807		81.												
9816		91.												
9750		170.												
9774		482.												
9739		343.												
13258		245.		22.					31.		0.6			
13259		231.		25.					24.		0.6			
13260		216.		30.					35.		0.6			
13261		294.		28.					44.		0.6			
13262		242.		25.					80.		0.0			
13263		153.		28.					48.		0.0			
13264		182.	80.	38.	0.00	0.00	0.97		18.		0.0			
13265		205.		44.					28.		0.0			
13266		214.		67.					36.		0.0			
13267		202.		69.					33.		0.6			
13268		205.		124.					45.		0.0			
13269		1050.		118.					34.		0.6			
13270		286.		77.					39.		0.0			
13271		237.		62.					29.		0.0			
13272		226.	0.	64.	0.00	0.00	0.85		14.		0.0			
13273		208.		62.					21.		0.0			
13274		219.		65.					29.		0.0			
13275		202.		67.					19.		0.0			
13276		205.		68.					22.		0.0			
13277		219.		62.					28.		0.0			
13278		188.		46.					28.		0.6			
13279		188.		33.					32.		0.6			
13280		188.	52.	29.	0.00	0.00	0.53		31.		0.6			
13281											0.0			
13301									32.		0.6			
13302				34.							0.0			
13303											0.0			
13304				370.					51.		0.0			
13305				350.					37.		0.6			
13306				370.					24.		0.6			
13307				42.					26.		0.0			
13308		128.		39.	0.00	0.10	1.50		46.		0.6			
13309				47.					80.		0.0			
13310				46.					12.		0.0			
13311				67.					163.		0.0			
13312				44.					32.		0.0			
13313				62.					84.		0.0			
13314				151.					40.		0.0			
13315				60.					50.		0.6			
13316				36.	0.00	0.20	0.72		68.		0.0			
13317				58.					80.		0.0			

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	CD	CO	CR	CR-HEX	CU	FE	HG	MG	MN	MO	NA	NI	PB	SN
9818														
9807														
9816														
9750														
9774														
9739														
13258	0.03		0.00		0.35	6.00		22.00	0.09			0.2	0.0	
13259	0.01		0.00		0.28	5.40		18.00	0.10			0.2	0.0	
13260	0.00		0.00		0.08	6.30		14.00	0.16			0.3	0.0	
13261	0.00		0.00		0.05	7.40		24.00	0.10			0.1	0.0	
13262	0.00		0.00		0.08	3.10		21.00	0.10			0.0	0.0	
13263	0.00		0.00		0.13	2.30		20.00	0.12			0.0	0.0	
13264	0.00		0.00		0.18	0.57	0.0010	34.00	0.11			0.2	0.0	
13265	0.04		0.00		0.10	0.69		39.00	0.19			0.0	0.0	
13266	0.03		0.00		0.08	2.30		36.00	0.20			0.0	0.0	
13267	0.00		0.00		0.10	1.23		32.00	0.16			0.0	0.0	
13268	0.00		0.00		0.10	0.74		45.00	0.20			0.1	0.0	
13269	0.02		0.00		0.88	2.00		21.00	0.11			0.1	0.0	
13270	0.00		0.00		0.13	1.09		19.00	0.15			0.0	0.0	
13271	0.00		0.00		0.23	0.20		26.00	0.12			0.0	0.0	
13272	0.00		0.00		0.10	0.26	0.0032	30.00	0.11			0.0	0.0	
13273	0.00		0.00		0.08	0.43		32.00	0.12			0.1	0.6	
13274	0.00		0.00		0.13	0.17		28.00	0.10			0.0	0.9	
13275	0.02		0.00		0.08	0.43		21.00	0.11			0.0	0.0	
13276	0.00		0.00		0.13	0.11		21.00	0.09			0.0	0.0	
13277	0.03		0.00		0.13	0.31		14.00	0.10			0.0	0.6	
13278	0.00		0.00		0.08	0.23		15.00	0.06			0.0	0.0	
13279	0.04		0.00		0.30	4.00		13.00	0.07			0.0	0.3	
13280	0.00		0.00		1.17	17.50	0.0046	14.00	0.02			0.0	0.0	
13281														0.0
13301														0.0
13302	0.05		0.00		0.15	6.30		18.00	0.11			0.2	0.0	
13303												0.0	0.0	
13304	0.04		0.00		0.08	3.30		13.00	0.06			0.0	0.0	
13305	0.00		0.00		0.20	3.50		15.00	0.02			0.0	0.6	
13306	0.02		0.00		0.08	3.50		15.00	0.02			0.0	0.3	
13307	0.00		0.00		0.13	4.80		16.00	0.10			0.0	0.0	
13308	0.00		0.00		0.10	2.80	0.0002	17.00	0.10			0.0	0.3	
13309	0.00		0.00		0.18	7.80		22.00	0.27			0.0	0.0	
13310	0.00		0.00		1.23	0.66		19.00	0.10			0.0	0.0	
13311	0.00		0.00		0.08	0.33		18.00	0.09			0.0	0.0	
13312	0.00		0.00		0.08	0.62		16.00	0.10			0.0	0.0	
13313	0.00		0.00		1.37	0.18		19.00	0.05			0.0	0.0	
13314	0.04		0.00		0.55	0.33		20.00	0.15			0.0	0.0	
13315	0.03		0.00		0.68	0.51		19.00	0.19			0.0	0.0	
13316	0.01		0.00		0.63	0.29	0.0080	21.00	0.21			0.0	0.0	
13317	0.00		0.00		0.33	0.36		22.00	0.25			0.0	0.0	

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

IND	SEW	SAMP	TYPE	SIC	ENCO	DATE	TIME	FLOWRATE	FDURAT	PH	BOD5	COD-M	TOC	TS
600	42	13318	0	0	1	9/27/73	230			7.8			22.	420.0
600	43	13319	0	0	1	9/27/73	330			8.0			23.	412.0
600	44	13320	0	0	1	9/27/73	430			7.9				432.0
600	45	13321	0	0	1	9/27/73	530			8.0			17.	456.0
600	46	13322	0	0	1	9/27/73	630			7.9			24.	548.0
600	47	13323	0	0	1	9/27/73	730			7.9			15.	568.0
600	48	13324	0	0	1	9/27/73	830			8.0	39.0	100.		
600	49	13344	1	0	1	9/28/73	800			6.6	133.0	345.	310.	580.0
600	50	13345	1	0	1	9/28/73	1600			7.2	106.0	155.	120.	376.0
600	51	13346	1	0	1	9/28/73	2400			7.2	130.0	250.	122.	452.0
600	52	13351	1	0	1	10/1/73	800			7.6	350.0	483.	66.	904.0
601	1	13402	0	0	0	10/11/73	1200			7.1	97.0	715.	89.	988.0
601	2	13403	0	0	0	10/11/73	1200			7.3	92.0	515.	106.	648.0
601	3	13404	0	0	0	10/11/73	1200			7.5	55.0	355.	83.	596.0
602	1	13488	0	0	1	10/16/73	1030							
602	2	13489	0	0	1	10/16/73	1130							
602	3	13490	0	0	1	10/16/73	1230			7.6			240.	1205.0
602	4	13491	0	0	1	10/16/73	1330			8.2			220.	1111.0
602	5	13492	0	0	1	10/16/73	1430			7.8			640.	1144.0
602	6	13493	0	0	1	10/16/73	1530			8.2			320.	1160.0
602	7	13494	0	0	1	10/16/73	1630			7.3			450.	1296.0
602	8	13495	0	0	1	10/16/73	1730			7.1	77.0	2077.	570.	1324.0
602	9	13496	0	0	1	10/16/73	1830			8.7			570.	1724.0
602	10	13497	0	0	1	10/16/73	1930			8.4			460.	1184.0
602	11	13498	0	0	1	10/16/73	2030			10.2			860.	1820.0
602	12	13499	0	0	1	10/16/73	2130			7.6			380.	1508.0
602	13	13500	0	0	1	10/16/73	2230			7.3			500.	
602	14	13501	0	0	1	10/16/73	2330			6.9			410.	
602	15	13502	0	0	1	10/17/73	30			6.4			720.	2056.0
602	16	13503	0	0	1	10/17/73	130			6.7	81.0	2404.	370.	1732.0
602	17	13504	0	0	1	10/17/73	230			6.7			370.	1328.0
602	18	13505	0	0	1	10/17/73	330			7.0			360.	1264.0
602	19	13506	0	0	1	10/17/73	430			7.3			500.	1488.0
602	20	13507	0	0	1	10/17/73	530			6.9			260.	1232.0
602	21	13508	0	0	1	10/17/73	630			6.9			350.	1384.0
602	22	13509	0	0	1	10/17/73	730			6.7	84.0	1904.	780.	2052.0
602	23	13510	0	0	1	10/17/73	830							
602	24	13511	0	0	1	10/17/73	930							
602	25	13586	0	0	1	10/17/73	1000			7.8			270.	1044.0
602	26	13587	0	0	1	10/17/73	1100			6.8			140.	1036.0
602	27	13588	0	0	1	10/17/73	1200			6.9			280.	1040.0
602	28	13589	0	0	1	10/17/73	1300			7.1			260.	1084.0
602	29	13590	0	0	1	10/17/73	1400			7.9			470.	1408.0
602	30	13591	0	0	1	10/17/73	1500			6.5			300.	1776.0
602	31	13592	0	0	1	10/17/73	1600			6.6			290.	1344.0
602	32	13593	0	0	1	10/17/73	1700			6.8	116.0	1414.	380.	1260.0
602	33	13594	0	0	1	10/17/73	1800			7.8			510.	1288.0
602	34	13595	0	0	1	10/17/73	1900			7.1			410.	1236.0

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	VS	TSS	VSS	TDS	VDS	TKN	NH3N	ORGN	NO3N	NO2N	T-IP	O-P
13318	48.0	8.0	0.0	412.0	48.0	13.9	11.66	2.2	0.00	0.082	1.88	
13319	44.0	12.0	0.0	400.0	44.0	11.4	9.23	2.2	0.16	0.063	1.43	
13320	64.0	12.0	0.0	420.0	64.0	7.5	7.13	0.4	0.12	0.045	1.09	
13321	56.0	8.0	0.0	448.0	56.0	10.3	9.68	0.6	0.14	0.099	1.15	
13322	176.0	12.0	0.0	536.0	176.0	9.3	9.34	0.0	0.11	0.053	1.11	
13323	132.0	168.0	0.0	400.0	132.0	11.2	10.14	1.1	0.06	0.063	0.42	
13324												
13344	440.0	248.0	56.0	332.0	384.0	10.0	0.87	9.1	0.00	0.023	2.53	
13345	232.0	192.0	32.0	184.0	200.0	14.8	10.87	3.9	0.00	0.023	3.33	
13346	312.0	180.0	28.0	272.0	284.0	14.9	8.04	6.9	0.00	0.014	1.50	
13351	440.0	216.0	28.0	688.0	412.0	15.8	10.76	5.0	0.04	0.051	1.08	
13402	524.0	266.0	176.0	722.0	348.0	22.6	15.60	7.0	0.00	0.017	4.36	3.15
13403	208.0	204.0	116.0	444.0	92.0	18.7	12.80	5.9	0.01	0.005	4.52	3.21
13404	156.0	164.0	70.0	432.0	86.0	18.4	15.60	2.8	0.81	1.250	2.82	2.45
13488												
13489												
13490	336.0					46.1	25.10	21.0	0.00	0.086	5.32	
13491	412.0	530.0	250.0	581.0	162.0	42.9	26.40	16.5	4.60	0.605	4.31	
13492	464.0	567.0	225.0	577.0	239.0	40.3	22.90	17.4	0.73	0.551	4.41	
13493	472.0	560.0	270.0	600.0	202.0	53.0	26.80	26.2	2.37	0.435	5.50	
13494	580.0	620.0	340.0	676.0	240.0	58.0	25.90	32.1	0.00	0.216	6.40	
13495	604.0	880.0	380.0	444.0	224.0	62.0	24.10	37.9	0.01	0.335	4.25	
13496	816.0	212.0	100.0	1512.0	716.0	65.0	21.80	43.2	1.06	0.249	4.09	
13497	408.0	740.0	400.0	444.0	8.0	59.0	22.30	36.7	0.37	0.265	7.00	
13498	716.0	1240.0	670.0	580.0	46.0	67.0	21.50	45.5	0.30	0.270	20.20	
13499	648.0	500.0	250.0	1008.0	398.0	65.0	28.40	36.6	0.08	0.541	12.90	
13500		670.0	310.0			53.0	22.30	30.7	0.00	0.216	8.00	
13501		670.0	360.0			55.0	22.30	32.7	0.00	0.272	6.80	
13502	1308.0	900.0	564.0	1156.0	744.0	71.0	25.10	45.9	0.00	0.119	8.10	
13503	856.0	533.0	300.0	1199.0	556.0	49.0	19.00	30.0	1.54	0.173	4.36	
13504	557.0	558.0	300.0	770.0	257.0	49.0	17.60	31.4	0.19	0.086	4.44	
13505	580.0	224.0	132.0	1040.0	448.0	62.0	25.70	36.3	0.03	0.135	4.95	
13506	636.0	820.0	380.0	668.0	256.0	67.0	21.20	45.8	0.02	0.141	5.50	
13507	552.0	487.0	293.0	745.0	259.0	49.0	18.40	30.6	0.07	0.086	5.05	
13508	652.0	520.0	250.0	864.0	402.0	48.0	18.80	29.2	0.06	0.110	4.52	
13509	1124.0					95.0	25.70	69.3	0.00	0.162	6.10	
13510												
13511												
13586	404.0	260.0	172.0	784.0	232.0	32.0	18.30	13.7	0.00	0.021	2.05	
13587	464.0	280.0	196.0	756.0	268.0	30.2	16.60	13.6	0.00	0.210	3.48	
13588	461.0	244.0	168.0	796.0	293.0	33.4	16.90	16.5	0.07	0.147	2.57	
13589	472.0	384.0	252.0	700.0	220.0	45.2	21.70	23.5	0.00	0.713	4.29	
13590	692.0	340.0	248.0	1068.0	444.0	91.0	62.00	29.0	0.02	0.561	3.77	
13591	776.0	480.0	360.0	1296.0	416.0	89.0	42.30	46.7	0.00	0.110	3.22	
13592	624.0	104.0	84.0	1240.0	540.0	71.0	38.50	32.5	0.01	0.115	2.85	
13593	496.0	328.0	232.0	932.0	264.0	58.0	25.20	32.8	0.00	0.168	4.05	
13594	476.0	312.0	204.0	976.0	272.0	64.0	31.20	32.8	0.00	0.346	5.28	
13595	488.0	240.0	168.0	996.0	320.0	65.0	34.30	30.7	0.01	0.215	5.14	

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	TALK	T-ACID	F	CL	BR	CN	S	SO3	SO4	CR04	AL	AS	BA	CA
13318				65.					24.		0.0			
13319				64.					124.		0.0			
13320				67.					50.		1.5			
13321				74.					24.		0.0			
13322				69.					60.		0.0			
13323				47.					26.		0.0			
13324			18.			0.00	0.15	0.20			C.0			
13344	189.		90.		32.	0.00	0.05	0.68	36.		0.6			
13345	189.		22.		56.	0.00	0.00	0.36	49.		0.0			
13346	198.		74.		56.	0.00	0.10	0.60	29.		0.6			
13351			244.	4.	38.	0.00	0.00	0.47	38.		0.6			
13402			190.		61.						1.9			
13403			177.		47.						0.8			
13404			160.		50.						1.1			
13488														
13489														
13490	221.			310.					160.		50.0			
13491				268.		74.			72.		2.5			
13492				262.		89.			68.		1.5			
13493				271.		96.			72.		1.5			
13494				271.		96.			112.		2.0			
13495			296.	0.	83.	0.00	1.00	0.00	0.		1.5			
13496			387.		72.				260.		1.5			
13497			340.		74.				27.		9.0			
13498			524.		85.				40.		20.0			
13499			327.		117.				132.		12.5			
13500			274.		114.				29.		5.5			
13501			243.		79.				92.		3.0			
13502			212.		92.				6.		7.5			
13503			200.	0.	85.	0.00	0.75	0.00	130.		2.0			
13504			168.		168.				54.		2.0			
13505			259.		85.				204.		1.0			
13506			327.		64.				140.		1.0			
13507			193.		66.				144.		1.0			
13508			225.		80.				130.		1.5			
13509			296.	4.	111.	0.00	0.15	0.00	10.		1.0			
13510														
13511														
13586			240.		117.						6.0			
13587			187.		83.						6.5			
13588			195.		85.						5.6			
13589			209.		78.						2.0			
13590			235.		79.						1.6			
13591			264.		178.						0.8			
13592			200.		94.						1.2			
13593			239.	60.	84.	0.00	0.25	0.00	192.		9.3			
13594			304.		79.						10.1			
13595			246.		112.						8.5			

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	CD	CO	CR	CR-HEX	CU	FE	HG	MG	MN	MO	NA	NI	P8	SN
13318	0.00		0.00		0.20	0.40		21.00	0.21			0.1	0.0	
13319	0.00		0.00		0.18	0.33		24.00	0.19			0.1	0.0	
13320						0.88						0.0	0.0	
13321	0.00		0.00		0.15	0.44		23.00	0.29			0.0	0.0	
13322	0.00		0.00		0.13	0.26		21.00	0.24			0.1	0.0	
13323	0.00		0.00		0.10	5.10		20.00	0.15			0.1	0.0	
13324							0.0042							
13344	0.04		0.00		0.10	5.10	0.0096	73.00	0.07			0.0	0.0	
13345	0.00		0.00		0.33	0.58	0.0196	75.00	0.11			0.0	0.0	
13346	0.02		0.00		0.05	1.46	0.0046	24.00	0.22			0.0	0.0	
13351	0.00		0.00		0.40	3.30	0.0160	17.00	0.08			0.0	0.0	
13402	0.00		0.06	0.00	0.10	0.50			0.13			0.0	0.0	
13403	0.01		0.04	0.00	0.07	0.28			0.11			0.0	0.0	
13404	0.00		0.26	0.00	0.10	0.30			0.14			0.0	0.5	
13488														
13489														
13490	0.03		0.74		0.46	2.72		15.00	0.13			0.3	0.0	
13491	0.04		1.50		4.40	2.12		17.00	0.07			0.6	0.0	
13492	0.27		0.70		0.88	1.20		16.00	0.06			0.4	0.0	
13493	0.11		1.06		1.00	3.40		18.00	0.07			0.2	0.0	
13494	0.11		0.74		0.72	1.34		15.00	0.08			0.3	0.2	
13495	0.08		0.90		0.54	1.20	0.0008	19.00	0.10			0.3	0.0	
13496	0.03		0.74		0.68	1.37		16.00	0.11			0.3	0.0	
13497	0.28		2.40		2.06	2.43		17.00	0.08			0.3	0.0	
13498	0.24		1.14		1.08	6.60		12.00	0.29			0.7	0.0	
13499	0.10		2.60		0.98	4.30		17.00	0.22			0.6	0.0	
13500	0.11		1.10		0.72	2.95		18.00	0.22			0.4	0.0	
13501	0.00		0.70		0.64	1.80		15.00	0.19			0.3	0.0	
13502	0.01		0.60		0.62	2.55		18.00	0.16			1.0	0.0	
13503	0.01		0.66		0.66	1.06	0.0006	15.00	0.15			0.5	0.0	
13504	0.01		0.66		1.26	0.97		24.00	0.08			0.3	0.7	
13505	0.02		0.59		0.56	0.80		14.00	0.10			0.4	0.0	
13506	0.01		0.76		0.68	0.83		15.00	0.09			0.3	0.0	
13507	0.03		0.60		0.44	0.77		14.00	0.10			0.2	0.0	
13508	0.05		0.52		0.54	0.86		17.00	0.10			0.3	0.0	
13509	0.03		0.56		0.30	0.86	0.0007	21.00	0.11			0.2	0.0	
13510	0.00													
13511	0.01													
13586	0.04		0.30		0.31	2.55		15.00	0.24			0.0	0.0	
13587	0.06		0.20		0.11	2.57		13.00	0.22			0.0	0.0	
13588	0.06		0.32		2.08	7.20		14.00	0.18			2.0	0.0	
13589	0.06		0.64		1.21	2.90		14.00	0.11			1.0	0.0	
13590	0.06		1.30		1.76	1.14		15.00	0.08			0.5	0.0	
13591	0.05		2.20		1.45	2.15		16.00	0.09			0.8	0.0	
13592	0.04		0.54		0.63	1.14		19.00	0.09			0.5	0.5	
13593	0.13		1.20		0.74	2.37	0.0020	17.00	0.14			0.5	0.7	
13594	0.10		0.88		0.96	2.55		16.00	0.14			0.8	0.2	
13595	0.07		0.80		0.78	1.86		18.00	0.13			0.5	0.0	

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ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

IND	SEW	SAMP	TYPE	SIC	ENCO	DATE	TIME	FLOWRATE	FDURAT	PH	BOD5	COD-M	TOC	TS
602	35	13600	0	0	1	10/17/73	2000			7.0			410.	1624.0
602	36	13601	0	0	1	10/17/73	2100			9.1			330.	1400.0
602	37	13602	0	0	1	10/17/73	2200			8.9			280.	1396.0
602	38	13603	0	0	1	10/17/73	2300			7.3			130.	1632.0
602	39	13604	0	0	1	10/17/73	2400			8.4			300.	1532.0
602	40	13605	0	0	1	10/18/73	100			7.9	128.0	1616.	410.	1468.0
602	41	13606	0	0	1	10/18/73	200			7.4			250.	1460.0
602	42	13607	0	0	1	10/18/73	300			7.2			360.	1812.0
602	43	13608	0	0	1	10/18/73	400			5.5			680.	1976.0
602	44	13609	0	0	1	10/18/73	500			3.6			550.	2676.0
602	45	13610	0	0	1	10/18/73	600			8.0			600.	1544.0
602	46	13611	0	0	1	10/18/73	700			9.6			310.	1636.0
602	47	13612	0	0	1	10/18/73	800			7.4			490.	1240.0
602	48	13613	0	0	1	10/18/73	900			7.3	132.0	1878.	260.	976.0
602	49	13643	0	0	1	10/18/73	1100			6.5			560.	944.0
602	50	13644	0	0	1	10/18/73	1200			6.7			370.	1032.0
602	51	13645	0	0	1	10/18/73	1300			6.4			260.	939.0
602	52	13646	0	0	1	10/18/73	1400			6.5			350.	1144.0
602	53	13647	0	0	1	10/18/73	1500			6.5			310.	1176.0
602	54	13648	0	0	1	10/18/73	1600			6.5			310.	1160.0
602	55	13649	0	0	1	10/18/73	1700			6.4			350.	1288.0
602	56	13650	0	0	1	10/18/73	1800			6.7	106.0	1300.	480.	1780.0
602	57	13651	0	0	1	10/18/73	1900			6.2			680.	1564.0
602	58	13652	0	0	1	10/18/73	2000			6.3			550.	1527.0
602	59	13653	0	0	1	10/18/73	2100			6.8			440.	1348.0
602	60	13654	0	0	1	10/18/73	2200			6.7			420.	1349.0
602	61	13655	0	0	1	10/18/73	2300			6.6			560.	1368.0
602	62	13656	0	0	1	10/18/73	2400			6.3			280.	1117.0
602	63	13657	0	0	1	10/19/73	100			6.4			420.	1596.0
602	64	13658	0	0	1	10/19/73	200			6.7	122.0	1520.	440.	1216.0
602	65	13659	0	0	1	10/19/73	300			6.7			360.	1244.0
602	66	13660	0	0	1	10/19/73	400			6.6			370.	1260.0
602	67	13661	0	0	1	10/19/73	500			6.4			360.	1300.0
602	68	13662	0	0	1	10/19/73	600			6.4			470.	1516.0
602	69	13663	0	0	1	10/19/73	700			6.6			410.	1232.0
602	70	13664	0	0	1	10/19/73	800			6.7			440.	1388.0
602	71	13665	0	0	1	10/19/73	900			6.7			430.	1492.0
602	72	13666	0	0	1	10/19/73	1000			7.0	124.0	1520.	610.	1288.0
602	73	13742	1	0	1	10/22/73	1200			6.8	123.0	1340.	270.	1240.0
602	74	13743	1	0	1	10/22/73	1200			6.9	121.0	2800.	400.	1520.0
602	75	13744	1	0	1	10/23/73	1200			6.9	160.0	1940.	370.	1616.0
602	76	13752	1	0	1	10/23/73	1200			6.6	120.0	1580.	190.	1376.0
602	77	13753	1	0	1	10/23/73	1200			6.6	143.0	1920.	250.	1376.0
602	78	13754	1	0	1	10/24/73	1200			6.6	204.0	1240.	260.	1528.0
602	79	13771	1	0	1	10/24/73	1200			6.6	210.0	1041.	380.	1436.0
602	80	13772	1	0	1	10/24/73	1200			6.9	320.0	1312.	450.	1508.0
602	81	13773	1	0	1	10/25/73	1200			6.8	760.0	1812.	430.	1656.0
602	82	13793	1	0	1	10/25/73	1200			7.2	250.0	1437.	240.	1460.0
602	83	13794	1	0	1	10/25/73	1200			7.2	260.0	1875.	390.	1603.0
602	84	13795	1	0	1	10/26/73	1200			7.0	290.0	1720.	460.	2253.0

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	VS	TSS	VSS	TDS	VDS	TKN	NH3N	ORGN	NO3N	NO2N	T-IP	O-P
13600	832.0	630.0	460.0	994.0	372.0	69.0	37.00	32.0	0.00	0.178	4.79	
13601	728.0	490.0	437.0	910.0	291.0	85.0	58.00	27.0	0.07	0.252	4.11	
13602	744.0	400.0	320.0	996.0	424.0	71.0	46.60	24.4	0.25	0.272	3.57	
13603	892.0	660.0	500.0	972.0	392.0	69.0	32.30	36.7	0.00	0.173	4.57	
13604	880.0	600.0	460.0	932.0	420.0	103.0	69.50	33.5	0.15	0.299	3.79	
13605	780.0	477.0	377.0	991.0	403.0	81.0	47.90	33.1	0.13	0.199	3.65	
13606	728.0	540.0	435.0	920.0	293.0	45.8	16.60	29.2	0.00	0.136	2.00	
13607	936.0	615.0	520.0	1197.0	416.0	64.0	24.20	39.8	0.00	0.147	2.57	
13608	824.0	625.0	570.0	1351.0	254.0	60.0	18.10	41.9	0.36	0.136	7.80	
13609	1180.0	670.0	625.0	2006.0	555.0	86.6	20.50	66.1	0.22	0.079	6.60	
13610	536.0	420.0	403.0	1124.0	133.0	46.7	19.10	27.6	0.10	0.063	2.00	
13611	720.0	730.0	700.0	906.0	20.0	51.0	36.30	14.7	0.20	0.157	3.00	
13612	524.0	426.0	406.0	814.0	118.0	36.9	21.40	15.5	0.47	0.212	2.00	
13613	500.0	374.0	333.0	602.0	167.0	39.8	24.70	15.1	0.00	0.131	1.43	
13643	296.0	172.0	112.0	772.0	184.0	37.1	21.80	15.3	0.00	0.022	1.81	
13644	280.0	73.0	48.0	959.0	232.0	40.6	24.50	16.1	0.00	0.034	3.46	
13645	244.0	62.0	40.0	877.0	204.0	42.5	24.30	18.2	0.00	0.028	3.28	
13646	368.0	328.0	256.0	816.0	112.0	51.8	24.90	26.9	0.02	0.050	7.20	
13647	424.0	148.0	140.0	1028.0	284.0	51.6	23.60	28.0	0.02	0.045	12.00	
13648	360.0	86.0	56.0	1074.0	304.0	51.5	21.20	30.3	0.02	0.034	8.40	
13649	468.0	292.0	236.0	996.0	232.0	59.4	28.60	30.8	0.01	0.050	12.80	
13650	624.0	80.0	48.0	1700.0	576.0	103.0	66.70	36.3	0.03	0.095	22.60	
13651	652.0	88.0	72.0	1476.0	580.0	69.0	35.70	33.3	0.00	0.123	11.20	
13652	547.0	548.0	368.0	979.0	179.0	69.0	33.60	35.4	0.00	0.101	10.00	
13653	460.0	340.0	228.0	1008.0	232.0	41.2	19.10	22.1	0.01	0.084	7.20	
13654	424.0	124.0	104.0	1225.0	320.0	37.1	16.40	20.7	0.00	0.078	11.00	
13655	468.0	72.0	44.0	1296.0	424.0	62.0	25.20	36.8	0.01	0.045	6.00	
13656	328.0	88.0	51.0	1029.0	277.0	33.6	12.90	20.7	0.01	0.045	20.00	
13657	648.0	308.0	324.0	1208.0	324.0	51.0	13.90	37.1	0.01	0.045	8.40	
13658	432.0	284.0	252.0	932.0	180.0	38.9	13.20	25.7	0.00	0.056	4.51	
13659	436.0	220.0	204.0	1024.0	232.0	37.1	12.30	24.8	0.01	0.045	4.00	
13660	440.0	260.0	216.0	1000.0	224.0	44.1	12.60	31.5	0.00	0.050	4.53	
13661	444.0	272.0	244.0	1028.0	200.0	48.0	17.10	30.9	0.00	0.117	4.06	
13662	536.0	292.0	268.0	1224.0	268.0	69.0	37.70	31.3	0.00	0.067	3.76	
13663	368.0	240.0	228.0	992.0	140.0	40.7	11.24	29.5	0.01	0.045	2.62	
13664	428.0	188.0	164.0	1200.0	264.0	40.5	10.07	30.4	0.00	0.156	2.80	
13665	508.0	264.0	208.0	1228.0	300.0	45.3	19.50	25.8	0.00	0.089	4.36	
13666	365.0	260.0	224.0	1028.0	141.0	78.0	49.80	28.2	0.03	0.045	2.15	
13742	468.0	375.0	160.0	865.0	308.0	35.3	21.20	14.1	0.00	0.047	2.52	
13743	760.0	510.0	480.0	1010.0	280.0	49.0	21.60	27.4	0.00	0.118	4.21	
13744	684.0	390.0	160.0	1226.0	524.0	44.6	13.70	30.9	0.00	0.056	3.01	
13752	608.0	353.0	336.0	1023.0	272.0	47.0	28.20	18.8	0.00	0.213	3.16	
13753	652.0	360.0	175.0	1016.0	477.0	54.0	32.90	21.1	0.00	0.101	2.92	
13754	720.0	370.0	175.0	1158.0	545.0	44.6	14.10	30.5	0.00	0.090	2.71	
13771	608.0	350.0	330.0	1086.0	278.0	40.3	22.20	18.1	0.00	0.029	3.73	
13772	640.0	530.0	490.0	978.0	150.0	43.1	19.00	23.3	0.00	0.026	3.76	
13773	828.0	210.0	160.0	1446.0	668.0	39.9	15.10	24.8	0.00	0.034	3.03	
13793	484.0	350.0	200.0	1110.0	284.0	35.0	20.50	14.5	0.00	0.018	1.95	
13794	588.0	280.0	250.0	1323.0	338.0	65.0	42.00	23.0	0.00	0.046	4.06	
13795	972.0	350.0	330.0	1903.0	642.0	39.6	14.80	24.8	0.01	0.025	1.84	

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	TALK	T-ACID	F	CL	BR	CN	S	SO3	SO4	CRD4	AL	AS	BA	CA
	13600	275.		140.							6.0			
	13601	357.		85.							2.8			
	13602	298.		75.							2.4			
	13603	303.		76.							0.8			
	13604	316.		113.							1.2			
	13605	352.	30.	89.	0.00	0.20	0.00		192.		0.4			
	13606	234.		126.							0.4			
	13607	316.		119.							2.8			
	13608	36.		83.							2.8			
	13609	0.		540.							2.8			
	13610	228.		126.							1.2			
	13611	258.		250.							8.5			
	13612	223.		105.							10.9			
	13613	205.	60.	103.	0.00	0.00	0.00		390.		14.1			
	13643	227.		93.							20.0			
	13644	286.		81.							6.5			
	13645	245.		80.							2.5			
	13646	216.		104.							3.0			
	13647	224.		78.							2.5			
	13648	237.		89.							1.5			
	13649	227.		89.							2.0			
	13650	449.	102.	105.	0.00	0.25	0.00		128.		13.0			
	13651	251.		94.							16.5			
	13652	294.		101.							14.0			
	13653	271.		97.							14.0			
	13654	243.		147.							9.0			
	13655	291.		90.							1.5			
	13656	173.		94.							4.0			
	13657	193.		155.							2.0			
	13658	195.	128.	105.	0.00	0.30	0.00		142.		1.0			
	13659	207.		107.							0.5			
	13660	245.		94.							1.5			
	13661	221.		101.							3.0			
	13662	226.		174.							1.0			
	13663	251.		105.							1.0			
	13664	298.		108.							1.0			
	13665	152.		208.							50.0			
	13666	298.	132.	119.	0.00	0.25	0.00		164.		11.5			
	13742	206.	20.	81.	0.00	0.70	0.00		76.		18.0			
	13743	255.	32.	69.	0.00	0.20	0.00		68.		6.0			
	13744	243.	26.	76.	0.00	0.20	0.00		135.		4.0			
	13752	273.	46.	97.	0.00	0.40	0.00		117.		12.0			
	13753	245.	46.	82.	0.00	0.40	0.00		60.		3.0			
	13754	256.	38.	98.	0.00	0.40	0.00		60.		0.5			
	13771	240.	62.	118.	0.00	0.40	0.00		192.		4.6			
	13772	237.	42.	109.	0.00	0.10	0.20		256.		2.3			
	13773	214.	60.	113.	0.00	0.00	0.00		289.		5.4			
	13793	200.	28.	209.	0.00	0.30	0.00		248.		2.1			
	13794	226.	30.	210.	0.00	0.30	0.00		304.		2.3			
	13795	232.	60.	270.	0.00	0.10	0.00		316.		2.9			

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	CD	CO	CR	CR-HEX	CU	FE	HG	MG	MN	MO	NA	NI	P8	SN
13600	0.03		0.66		0.58	1.63		18.00	0.13			0.2	0.0	
13601	0.05		0.66		0.58	1.06		16.00	0.05			0.5	0.0	
13602	0.04		0.74		0.58	1.06		17.00	0.06			0.3	0.0	
13603	0.03		1.00		0.65	0.86		21.00	0.09			0.7	0.0	
13604	0.04		0.62		0.63	0.66		18.00	0.09			0.1	0.5	
13605			0.60		0.45	1.00	0.0010	17.00	0.05			0.1	0.0	
13606			0.72		0.51	1.06		19.00	0.06			0.2	0.0	
13607			0.70		0.42	0.86		21.00	0.06			0.4	0.0	
13608			1.50		0.54	1.57		22.00	0.17			0.5	0.0	
13609			1.30		0.65	2.60		28.00	0.24			0.3	0.5	
13610			0.58		0.25	0.89		16.00	0.08			0.1	0.0	
13611			0.58		0.20	3.40		15.00	0.27			0.1	0.0	
13612			0.08		0.22	1.86		14.00	0.22			0.1	0.0	
13613			0.28		0.25	0.89	0.0008	15.00	0.19			0.1	0.2	
13614			0.02		0.50	0.48	0.69	13.00	0.12			0.4	0.5	
13644	0.01		0.56		0.42	1.09		14.00	0.14			0.3	0.2	
13645	0.01		0.68		0.50	0.72		13.00	0.09			0.3	0.5	
13646	0.03		0.40		0.58	1.00		17.00	0.14			0.3	0.5	
13647	0.01		0.52		0.40	0.97		13.00	0.12			0.4	2.5	
13648	0.02		0.66		0.48	0.80		16.00	0.09			0.3	0.7	
13649	0.00		3.80		0.52	0.77		15.00	0.20			0.5	0.0	
13650	0.03		1.32		0.94	2.00	0.0017	18.00	0.11			0.4	1.5	
13651	0.04		1.10		0.78	3.40		16.00	0.30			0.4	0.2	
13652	0.07		0.24		0.68	3.10		15.00	0.23			0.3	0.0	
13653	0.06		1.40		0.60	3.40		19.00	0.33			0.9	0.2	
13654	0.07		0.90		0.54	2.72		17.00	0.24			0.4	0.0	
13655	0.01		0.52		0.66	1.95		17.00	0.21			0.5	0.0	
13656	0.00		0.56		0.46	1.00		18.00	0.18			0.3	0.0	
13657	0.02		0.50		1.30	1.00		21.00	0.12			0.8	0.5	
13658	0.01		0.76		0.82	0.80	0.0012	23.00	0.12			0.4	0.0	
13659	0.03		0.76		0.70	0.69		22.00	0.08			0.3	0.0	
13660	0.03		0.62		0.42	0.63		22.00	0.08			0.3	0.0	
13661	0.02		0.54		0.50	0.69		23.00	0.09			0.2	0.0	
13662	0.00		0.98		0.44	0.60		23.00	0.11			0.2	0.5	
13663	0.01		0.52		0.28	0.46		23.00	0.11			1.0	0.2	
13664	0.01		0.44		0.28	0.60		22.00	0.14			0.5	0.0	
13665	0.03		0.40		0.26	0.74		16.00	0.09			0.1	0.0	
13666	0.04		0.18		0.28	0.66	0.0012	19.00	0.09			0.1	0.2	
13742	0.03		0.60		0.76	0.97	0.0018	16.00	0.15			0.2	0.2	
13743	0.06		0.50		1.74	1.83	0.0008	16.00	0.15			2.0	0.5	
13744	0.01		0.60		0.32	0.77	0.0017	18.00	0.14			0.3	0.0	
13752	0.02		1.74		0.50	1.23	0.0013	12.00	0.18			0.6	0.0	
13753	0.04		1.28		0.26	1.03	0.0038	13.00	0.18			0.3	0.0	
13754	0.00		0.70		0.22	0.63	0.0136	18.00	0.11			0.3	0.0	
13771	0.01		1.36		0.84	1.14	0.0006	23.00	0.08			0.3	0.7	
13772	0.01		0.74		0.22	1.19	0.0006	21.00	0.17			0.8	0.5	
13773	0.00		0.60		0.44	0.84	0.0009	30.00	0.15			0.9	1.0	
13793	0.01		0.96		0.20	1.00	0.0004	11.00	0.11			0.2	0.9	
13794	0.02		0.92		0.74	1.72	0.0014	24.00	0.22			0.3	0.7	
13795	0.01		0.68		0.26	0.66	0.0038	18.00	0.09			0.3	0.2	

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

IND	SEW	SAMP	TYPE	SIC	ENCO	DATE	TIME	FLOWRATE	FDURAT	PH	BODS	COC-M	TOC	TS
603	1	13455	0	0	1	10/16/73	1000			6.9		130.	1856.0	
603	2	13456	0	0	1	10/16/73	1100			7.3		20.	1828.0	
603	3	13457	0	0	1	10/16/73	1200			7.4		150.	1472.0	
603	4	13458	0	0	1	10/16/73	1300			7.6		60.	1224.0	
603	5	13459	0	0	1	10/16/73	1400			7.6		90.	1372.0	
603	6	13460	0	0	1	10/16/73	1500			7.5		230.	1300.0	
603	7	13461	0	0	1	10/16/73	1600			7.5		10.	1620.0	
603	8	13462	0	0	1	10/16/73	1700			7.7	46.0	1346.	220.	1617.0
603	9	13463	0	0	1	10/16/73	1800			7.2		520.	1452.0	
603	10	13464	0	0	1	10/16/73	1900			7.3		450.		
603	11	13465	0	0	1	10/16/73	2000			7.3		410.	1928.0	
603	12	13466	0	0	1	10/16/73	2100			7.2		450.	1828.0	
603	13	13467	0	0	1	10/16/73	2200			7.2		320.	1376.0	
603	14	13468	0	0	1	10/16/73	2300			7.1		290.	1461.0	
603	15	13469	0	0	1	10/16/73	2400			7.1		350.	1424.0	
603	16	13470	0	0	1	10/17/73	100			7.1	51.0	2192.	190.	1388.0
603	17	13471	0	0	1	10/17/73	200			7.1		210.	1428.0	
603	18	13472	0	0	1	10/17/73	300			7.2		390.	1528.0	
603	19	13473	0	0	1	10/17/73	400			7.1		280.	1524.0	
603	20	13474	0	0	1	10/17/73	500			7.2		220.	1320.0	
603	21	13475	0	0	1	10/17/73	600			7.1		360.	1308.0	
603	22	13476	0	0	1	10/17/73	700			7.0		450.	1720.0	
603	23	13477	0	0	1	10/17/73	800			7.0		430.	1600.0	
603	24	13478	0	0	1	10/17/73	900			7.0	72.0	1865.	340.	1624.0
603	25	13538	0	0	1	10/17/73	1030			6.7		280.	1396.0	
603	26	13539	0	0	1	10/17/73	1130			6.9		220.	1331.0	
603	27	13540	0	0	1	10/17/73	1230			6.9		60.	1252.0	
603	28	13541	0	C	1	10/17/73	1330			6.6		100.	1180.0	
603	29	13542	0	0	1	10/17/73	1430			6.8		130.	1088.0	
603	30	13543	0	0	1	10/17/73	1530			6.9		210.	1280.0	
603	31	13544	0	0	1	10/17/73	1630			5.7		270.	1420.0	
603	32	13545	0	0	1	10/17/73	1730			5.9	124.0		280.	1428.0
603	33	13546	0	0	1	10/17/73	1830			6.6		240.	1384.0	
603	34	13547	0	0	1	10/17/73	1930			5.7		310.	1344.0	
603	35	13548	0	0	1	10/17/73	2030			6.2		460.	1380.0	
603	36	13549	0	0	1	10/17/73	2130			7.2		340.	1388.0	
603	37	13550	0	0	1	10/17/73	2230			7.3		310.	1248.0	
603	38	13551	0	0	1	10/17/73	2330			7.3		250.	1136.0	
603	39	13552	0	0	1	10/18/73	30			7.1		270.	1188.0	
603	40	13553	0	0	1	10/18/73	130			7.1	130.0		270.	1220.0
603	41	13554	0	0	1	10/18/73	230			7.4		260.	1212.0	
603	42	13555	0	0	1	10/18/73	330					210.	1120.0	
603	43	13556	0	0	1	10/18/73	430			7.2		170.	1128.0	
603	44	13557	0	0	1	10/18/73	530			7.2		210.	1116.0	
603	45	13558	0	0	1	10/18/73	630			7.0		230.	1200.0	
603	46	13559	0	0	1	10/18/73	730			6.9		220.	1504.0	
603	47	13560	0	0	1	10/18/73	830			7.0		170.	1344.0	
603	48	13561	0	0	1	10/18/73	930			7.4	120.0	1737.	460.	1580.0
603	49	13667	0	0	1	10/18/73	1100			6.6		370.	1184.0	
603	50	13668	0	0	1	10/18/73	1200			6.6		400.	1124.0	

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	VS	TSS	VSS	TDS	VDS	TKN	NH3N	ORGN	NO3N	NO2N	T-IP	O-P
13455	788.0	188.0	68.0	1668.0	720.0	54.0	24.20	29.8	0.01	0.054	8.00	
13456	788.0	820.0	528.0	1008.0	260.0	54.0	31.20	22.8	0.04	0.043	7.50	
13457	587.0	468.0	288.0	1004.0	299.0	47.0	32.10	14.9	0.06	0.022	5.16	
13458	456.0	204.0	140.0	1020.0	316.0	46.0	30.70	15.3	0.05	0.011	3.62	
13459	680.0	272.0	113.0	1100.0	567.0	47.0	30.10	16.9	0.03	0.022	3.46	
13460	532.0	272.0	180.0	1028.0	352.0	48.0	28.60	19.4	0.04	0.022	3.99	
13461	848.0					49.0	27.00	22.0	0.01	0.054	4.52	
13462	772.0	296.0	188.0	1321.0	584.0	54.0	28.80	25.2	0.00	0.070	5.60	
13463	732.0	660.0	260.0	792.0	472.0	62.0	35.90	26.1	0.00	0.109	8.30	
13464		1180.0	520.0			60.0	30.40	29.6	0.00	0.108	7.50	
13465	912.0	580.0	310.0	1348.0	602.0	68.0	35.70	32.3	0.00	0.146	12.30	
13466	868.0	715.0	310.0	1113.0	558.0	70.0	35.90	34.1	0.03	0.108	8.90	
13467	528.0	450.0	190.0	926.0	338.0	51.0	25.80	25.2	0.00	0.056	4.89	
13468	568.0	440.0	190.0	1021.0	378.0	49.0	23.40	25.6	0.00	0.057	4.95	
13469	560.0	370.0	160.0	1054.0	400.0	52.0	23.70	28.3	0.00	0.054	4.57	
13470	588.0	430.0	210.0	958.0	378.0	51.0	22.30	28.7	0.00	0.049	4.84	
13471	576.0	132.0	52.0	1296.0	524.0	48.0	22.50	25.5	0.03	0.043	4.09	
13472	677.0	267.0	128.0	1261.0	549.0	55.0	25.10	29.9	0.00	0.052	4.68	
13473	656.0	350.0	120.0	1174.0	536.0	69.0	22.30	46.7	0.00	0.054	3.86	
13474	556.0	126.0		1194.0		51.0	20.10	30.9	0.00	0.052	3.72	
13475	504.0	400.0	180.0	908.0	324.0	52.0	19.50	32.5	0.00	0.054	4.53	
13476	800.0	94.0		1626.0		67.0	24.30	42.7	0.02	0.054	5.90	
13477	660.0	400.0	184.0	1200.0	476.0	56.0	18.40	37.6	0.02	0.054	4.63	
13478	692.0	530.0	260.0	1094.0	432.0	55.0	20.10	34.9	0.04	0.054	5.40	
13538	568.0	470.0	240.0	926.0	328.0	65.0	30.40	34.6	0.03	0.063	6.40	
13539	435.0					42.5	23.70	18.8	0.00	0.068	5.40	
13540	404.0	470.0	160.0	782.0	244.0	39.4	23.20	16.2	0.00	0.052	6.10	
13541	364.0	120.0	70.0	1060.0	294.0	40.8	22.20	18.6	0.00	0.054	4.57	
13542	352.0	130.0	60.0	958.0	292.0	42.5	25.20	17.3	0.00	0.050	4.25	
13543	464.0	200.0	50.0	1080.0	414.0	69.0	41.30	27.7	0.00	0.052	4.95	
13544	512.0	220.0	110.0	1200.0	402.0	68.0	35.80	32.2	0.00	0.060	5.60	
13545	413.0	250.0	110.0	1178.0	303.0	65.0	36.00	29.0	0.03	0.053	6.20	
13546	448.0	190.0	120.0	1194.0	328.0	58.0	31.20	26.8	0.00	0.073	6.90	
13547	461.0	200.0	120.0	1144.0	341.0	53.0	24.90	28.1	0.00	0.072	6.90	
13548	480.0	340.0	190.0	1040.0	290.0	69.0	36.60	32.4	0.01	0.105	9.10	
13549	456.0	440.0	140.0	948.0	316.0	59.0	29.70	29.3	0.00	0.107	8.00	
13550	384.0	250.0	130.0	998.0	254.0	60.0	33.10	26.9	0.00	0.079	6.90	
13551	360.0	290.0	170.0	846.0	190.0	79.0	49.90	29.1	0.00	0.073	6.70	
13552	404.0	220.0	120.0	968.0	284.0	61.0	36.80	24.2	0.00	0.063	6.40	
13553	440.0	270.0	170.0	950.0	270.0	55.0	28.80	26.2	0.00	0.054	6.10	
13554	388.0	350.0	250.0	862.0	138.0	65.0	43.80	21.2	0.00	0.052	5.40	
13555	312.0	240.0	160.0	880.0	152.0	60.0	31.70	28.3	0.00	0.054	5.70	
13556	368.0	230.0	180.0	898.0	188.0	50.0	24.20	25.8	0.00	0.050	4.36	
13557	304.0	260.0	200.0	856.0	104.0	52.0	25.20	26.8	0.00	0.052	4.39	
13558	356.0	170.0	150.0	1030.0	206.0	59.0	24.90	34.1	0.00	0.054	5.40	
13559	488.0	360.0	250.0	1144.0	238.0	59.0	25.40	33.6	0.00	0.063	5.60	
13560	435.0	330.0	260.0	1014.0	175.0	47.7	22.70	25.0	0.00	0.058	4.52	
13561	608.0	740.0	510.0	840.0	98.0	54.0	22.20	31.8	0.00	0.126	8.50	
13667	508.0	212.0	156.0	972.0	352.0	56.0	39.80	16.2	0.01	0.039	3.02	
13668	524.0	252.0	184.0	872.0	340.0	44.1	26.90	17.2	0.02	0.034	2.58	

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	TALK	T-ACID	F	CL	BR	CN	S	SO3	SO4	CRD4	AL	AS	BA	CA
13455		344.		138.					314.		22.5			
13456		359.		175.					184.		41.0			
13457		380.		96.					150.		11.0			
13458		380.		102.					215.		2.0			
13459		359.		111.					169.		2.5			
13460		355.		126.					212.		2.0			
13461		362.		134.					216.		2.5			
13462		413.	3.	126.	0.00	0.25	0.00		214.		6.0			
13463		427.		85.					134.		16.0			
13464		418.		72.					20.		15.0			
13465		446.		98.					205.		20.5			
13466		405.		96.					139.		11.5			
13467		368.		89.					153.		5.5			
13468		324.		89.					161.		7.5			
13469		337.		77.					166.		5.0			
13470		331.	4.	83.	0.00	0.25	0.00		155.		5.5			
13471		346.		98.					208.		4.0			
13472		371.		79.					189.		6.0			
13473		363.		59.					168.		5.0			
13474		321.		70.					201.		4.0			
13475		355.		71.					178.		4.5			
13476		368.		90.					249.		6.0			
13477		359.		72.					400.		4.5			
13478		294.	5.	132.	0.00	0.25	0.00		235.		19.5			
13538		330.		113.							16.9			
13539		278.		121.							11.7			
13540		333.		128.							8.9			
13541		299.		147.							4.4			
13542		298.		1C9.							3.2			
13543		337.		106.							3.6			
13544		306.		111.							3.2			
13545		245.	70.	110.	0.00	0.00	0.00		196.		4.0			
13546		267.		105.							6.5			
13547		306.		106.							6.0			
13548		344.		104.							8.9			
13549		381.		115.							10.1			
13550		393.		96.							6.0			
13551		393.		84.							4.4			
13552		330.		85.							4.0			
13553		310.	60.	90.	0.00	0.20	0.00		244.		3.2			
13554		366.		109.							3.2			
13555		323.		128.							2.8			
13556		327.		132.							2.0			
13557		322.		105.							2.0			
13558		240.		98.							2.0			
13559		253.		85.							3.2			
13560		320.		119.							4.8			
13561		328.	60.	138.	0.00	0.10	0.00		164.		16.1			
13667		265.		135.							12.5			
13668		303.		107.							11.0			

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	CD	CO	CR	CR-HEX	CU	FE	HG	MG	MN	MO	NA	NI	PB	SN
13455	0.04		0.86		0.60	2.57		15.00	0.22			0.8	0.0	
13456	0.08		1.00		0.76	2.72		17.00	0.19			0.4	0.0	
13457	0.05		0.80		0.60	1.63		15.00	0.11			0.7	0.0	
13458	0.02		0.46		0.34	0.77		19.00	0.09			0.3	0.0	
13459	0.05		0.78		0.56	1.26		10.00	0.08			0.3	0.0	
13460	0.06		0.80		0.58	1.00		10.00	0.09			0.3	0.0	
13461	0.08		0.54		0.50	1.20		17.00	0.09			0.2	0.2	
13462	0.06		0.76		0.58	1.17	0.0020	14.00	0.10			0.2	0.0	
13463	0.12		1.54		1.04	2.15		14.00	0.11			0.4	0.0	
13464	0.09		1.00		0.76	2.00		14.00	0.17			0.4	0.2	
13465	0.10		1.20		0.84	3.03		25.00	0.09			0.6	0.2	
13466	0.08		1.64		0.58	2.15		16.00	0.21			0.4	0.0	
13467	0.04		0.60		0.44	1.26		19.00	0.17			0.3	0.0	
13468	0.03		0.56		0.40	1.43		17.00	0.18			0.2	0.0	
13469	0.02		0.54		0.40	1.32		23.00	0.12			0.3	0.2	
13470	0.05		0.54		0.36	1.12	0.0008	16.00	0.15			0.5	0.0	
13471	0.03		0.48		0.34	0.83		16.00	0.13			0.4	0.0	
13472	0.02		0.54		0.38	1.12		16.00	0.11			0.3	0.7	
13473	0.01		0.56		0.34	1.00		19.00	0.09			0.3	0.0	
13474	0.03		0.54		0.34	0.97		17.00	0.12			0.3	0.0	
13475	0.00		0.52		0.30	0.92		15.00	0.13			0.2	0.0	
13476	0.04		0.54		0.34	1.26		16.00	0.11			0.2	0.0	
13477	0.03		0.30		0.30	1.00		18.00	0.11			0.3	0.0	
13478	0.04		0.58		0.46	1.80	0.0004	19.00	0.18			0.3	0.0	
13538	0.03		0.46		0.42	1.40		13.00	0.18			0.3	1.0	
13539	0.03		0.48		0.22	1.72		17.00	0.22			0.2	0.0	
13540	0.05		0.48		0.34	1.86		14.00	0.18			0.3	0.7	
13541	0.01		0.40		0.94	3.70		12.00	0.18			2.0	0.0	
13542	0.02		0.62		0.54	1.86		14.00	0.15			0.7	0.5	
13543	0.03		0.46		0.45	1.23		14.00	0.11			0.4	0.0	
13544	0.03		1.18		0.94	1.26		15.00	0.11			0.4	0.7	
13545	0.03		0.68		0.51	1.63	0.0008	18.00	0.17			0.5	0.0	
13546	0.04		0.90		1.01	1.57		16.00	0.17			0.4	0.0	
13547	0.03		0.70		0.89	1.80		14.00	0.15			0.5	0.5	
13548	0.04		0.74		0.63	2.00		15.00	0.14			0.5	1.0	
13549	0.06		0.72		0.11	1.95		12.00	0.14			0.5	0.7	
13550	0.04		0.48		0.54	1.32		14.00	0.13			0.4	0.2	
13551	0.04		0.56		0.54	1.09		15.00	0.13			0.4	0.0	
13552	0.04		0.58		1.09	0.92		15.00	0.11			0.2	0.0	
13553	0.03		0.46		1.47	0.86	0.0006	17.00	0.11			0.3	0.0	
13554	0.04		0.46		0.49	0.94		17.00	0.13			0.3	0.0	
13555	0.04		0.42		0.16	1.06			0.11			0.1	0.0	
13556	0.03		0.42		0.36	0.66		17.00	0.11			0.7	0.0	
13557	0.02		0.40		0.42	0.74		18.00	0.13			0.5	0.0	
13558	0.02		0.54		0.29	0.57		14.00	0.13			0.3	0.2	
13559	0.02		0.62		0.22	1.23		18.00	0.15			0.4	1.0	
13560	0.03		0.44		0.49	1.12		18.00	0.15			0.3	0.0	
13561	0.08		0.84		0.92	2.90	0.0012	15.00	0.20			0.3	0.0	
13667	0.03		0.38		0.30	1.12		21.00	0.15			0.2	0.0	
13668	0.02		0.66		0.32	1.20		18.00	0.17			0.3	0.0	

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

IND	SEW	SAMP	TYPE	SIC	ENCO	DATE	TIME	FLOWRATE	FOURAT	PH	BOD5	COD-M	TOC	TS
603	51	13669	0	0	1	10/18/73	1300			6.8			280.	976.0
603	52	13670	0	0	1	10/18/73	1400			7.0			270.	1040.0
603	53	13671	0	0	1	10/18/73	1500			6.7			260.	1056.0
603	54	13672	0	0	1	10/18/73	1600			6.5			280.	1051.0
603	55	13673	0	0	1	10/18/73	1700			6.6			220.	1116.0
603	56	13674	0	0	1	10/18/73	1800			6.6	204.0	1040.	320.	1096.0
603	57	13675	0	0	1	10/18/73	1900			6.7			340.	1208.0
603	58	13676	0	0	1	10/18/73	2000			6.6			340.	1152.0
603	59	13677	0	0	1	10/18/73	2100			6.8			350.	1180.0
603	60	13678	0	0	1	10/18/73	2200			6.6			350.	1229.0
603	61	13679	0	0	1	10/18/73	2300			6.8			290.	1016.0
603	62	13680	0	0	1	10/18/73	2400			6.8			320.	1136.0
603	63	13681	0	0	1	10/19/73	100			6.6			310.	1053.0
603	64	13682	0	0	1	10/19/73	200			6.6	130.0	1240.	280.	1008.0
603	65	13683	0	0	1	10/19/73	300			6.9			340.	984.0
603	66	13684	0	0	1	10/19/73	400			6.8			260.	1028.0
603	67	13685	0	0	1	10/19/73	500			6.7			260.	1016.0
603	68	13686	0	0	1	10/19/73	600			6.9			260.	1028.0
603	69	13687	0	0	1	10/19/73	700			6.8			220.	1040.0
603	70	13688	0	0	1	10/19/73	800			6.7			230.	1112.0
603	71	13689	0	0	1	10/19/73	900			6.8			210.	1164.0
603	72	13690	0	0	1	10/19/73	1000			6.9	201.0	1560.	280.	1256.0
603	73	13739	1	0	1	10/22/73	1200			6.8	129.0	960.	460.	1212.0
603	74	13740	1	0	1	10/22/73	1200			6.8	90.0	920.	250.	1229.0
603	75	13741	1	0	1	10/23/73	1200			6.9	144.0	1040.	270.	1216.0
603	76	13755	1	0	1	10/23/73	1200			6.6	261.0	2520.	190.	1436.0
603	77	13756	1	0	1	10/23/73	1200			6.8	210.0	1600.	180.	1184.0
603	78	13757	1	0	1	10/24/73	1200			6.9	227.0	1140.	160.	1136.0
603	79	13774	1	0	1	10/24/73	1200			6.8	440.0	1270.	350.	1424.0
603	80	13775	1	0	1	10/24/73	1200			7.0	1040.0	1600.	450.	1436.0
603	81	13776	1	0	1	10/25/73	1200			7.1	530.0	1150.	440.	1389.0
603	82	13796	1	0	1	10/26/73	1200			7.0	330.0	812.	290.	1572.0
603	83	13797	1	0	1	10/25/73	1200			7.1	230.0	2160.	270.	1348.0
603	84	13798	1	0	1	10/26/73	1200			7.0	250.0	958.	380.	1484.0
604	1	13479	0	0	1	10/16/73	1130			7.1			160.	
604	2	13480	0	0	1	10/16/73	1230			7.3			110.	1292.0
604	3	13481	0	0	1	10/16/73	1330			7.3			80.	1252.0
604	4	13482	0	0	1	10/16/73	1430			7.1			60.	1376.0
604	5	13483	0	0	1	10/16/73	1530			7.2			78.	1461.0
604	6	13484	0	0	1	10/16/73	1630			7.4			85.	1448.0
604	7	13485	0	0	1	10/16/73	1730			7.4			80.	1564.0
604	8	13486	0	0	1	10/16/73	1830			7.5			121.	1616.0
604	9	13487	0	0	1	10/16/73	1930			6.8	74.0	1115.	144.	1548.0
604	10	13562	0	0	1	10/17/73	1130			7.1			220.	1776.0
604	11	13563	0	0	1	10/17/73	1230			6.8			70.	1592.0
604	12	13564	0	0	1	10/17/73	1330			7.3			60.	1648.0
604	13	13565	0	0	1	10/17/73	1430			7.3			130.	1349.0
604	14	13566	0	0	1	10/17/73	1530			7.0			160.	1260.0
604	15	13567	0	0	1	10/17/73	1630			7.1			110.	744.0

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	VS	TSS	VSS	TDS	VDS	TKN	NH3N	ORGN	NO3N	NO2N	T-IP	O-P
13669	416.0	220.0	156.0	756.0	260.0	43.4	28.40	15.0	0.00	0.034	4.00	
13670	460.0	52.0	32.0	988.0	428.0	43.2	25.20	18.0	0.01	0.045	5.64	
13671	476.0	136.0	108.0	920.0	368.0	47.0	30.40	16.6	0.00	0.034	7.30	
13672	448.0	148.0	128.0	903.0	320.0	47.0	27.20	19.8	0.00	0.036	6.60	
13673	508.0	116.0	92.0	1000.0	416.0	40.5	20.40	20.1	0.00	0.034	4.82	
13674	452.0	0.0			452.0	44.6	17.90	26.7	0.01	0.045	5.16	
13675	520.0	352.0	240.0	856.0	280.0	57.0	31.00	26.0	0.00	0.050	7.80	
13676	464.0	316.0	228.0	836.0	236.0	54.0	28.00	26.0	0.00	0.058	7.50	
13677	497.0	352.0	260.0	828.0	237.0	47.0	25.40	21.6	0.00	0.056	6.40	
13678	476.0	248.0	88.0	981.0	388.0	39.6	16.90	22.7	0.00	0.050	5.15	
13679	408.0	168.0	128.0	848.0	280.0	37.1	17.30	19.8	0.00	0.034	5.19	
13680	468.0	120.0	84.0	1016.0	384.0	42.5	18.40	24.1	0.00	0.036	25.60	
13681	392.0	24.0	12.0	1029.0	380.0	42.5	19.00	23.5	0.00	0.034	15.30	
13682	360.0	88.0	76.0	920.0	284.0	43.3	18.10	25.2	0.00	0.036	7.60	
13683	328.0	108.0	80.0	876.0	248.0	40.0	16.30	23.7	0.00	0.028	5.27	
13684	368.0	100.0	72.0	928.0	296.0	41.2	16.90	24.3	0.01	0.025	5.31	
13685	336.0	96.0	72.0	920.0	264.0	42.5	16.30	26.2	0.00	0.034	5.75	
13686	312.0	108.0	84.0	920.0	228.0	41.9	15.90	26.0	0.00	0.028	5.60	
13687	336.0	92.0	73.0	948.0	263.0	47.0	22.20	24.8	0.00	0.029	6.30	
13688	348.0	4.0	3.0	1108.0	345.0	48.0	18.90	29.1	0.01	0.028	5.75	
13689	392.0	208.0	156.0	956.0	236.0	46.0	15.80	30.2	0.00	0.034	5.27	
13690	408.0	240.0	176.0	1016.0	232.0	54.0	25.70	28.3	0.00	0.028	3.82	
13739	432.0	307.0	293.0	905.0	139.0	46.0	23.70	22.3	0.01	0.028	3.31	
13740	488.0	253.0	234.0	976.0	254.0	42.6	24.20	18.4	0.01	0.022	3.79	
13741	452.0	160.0	95.0	1056.0	357.0	41.2	20.20	21.0	0.01	0.025	2.41	
13755	616.0	260.0	140.0	1176.0	476.0	48.0	27.40	20.6	0.03	0.034	3.52	
13756	424.0	130.0	75.0	1054.0	349.0	44.7	30.00	14.7	0.01	0.034	2.87	
13757	392.0	135.0	75.0	1001.0	317.0	45.3	26.00	19.3	0.00	0.039	3.37	
13774	616.0	400.0	340.0	1024.0	276.0	52.0	31.00	21.0	0.00	0.037	4.98	
13775	668.0	220.0	210.0	1216.0	458.0	43.0	23.60	19.4	0.00	0.023	4.20	
13776	250.0	240.0	1139.0			44.5	20.50	24.0	0.00	0.023	4.39	
13796	556.0	270.0	240.0	1302.0	316.0	42.9	26.90	16.0	0.00	0.034	4.53	
13797	408.0	210.0	180.0	1138.0	228.0	55.0	35.70	19.3	0.00	0.040	4.34	
13798	372.0	120.0	110.0	1364.0	262.0	43.6	22.00	21.6	0.00	0.029	3.25	
13479		640.0	350.0			42.9	22.30	20.6	0.00	0.056	3.99	
13480	208.0	200.0	92.0	1092.0	116.0	25.4	17.30	8.1	0.01	0.055	3.03	
13481	208.0					32.3	17.10	15.2	0.00	0.043	3.30	
13482	240.0					21.7	15.30	6.4	0.00	0.022	6.00	
13483	272.0					23.1	13.40	9.7	0.00	0.027	3.19	
13484	244.0					23.5	12.80	10.7	0.02	0.022	2.77	
13485	251.0					26.1	14.10	12.0	0.02	0.022	2.45	
13486	396.0					25.6	14.50	11.1	0.00	0.027	2.66	
13487	320.0					28.1	14.50	13.6	0.01	0.032	3.03	
13562	352.0	270.0	180.0	1506.0	172.0	29.5	20.20	9.3	0.01	0.031	2.60	
13563	240.0	390.0	210.0	1202.0	30.0	25.6	17.60	8.0	0.00	0.052	2.41	
13564	280.0	370.0	230.0	1278.0	50.0	27.5	17.80	9.7	0.00	0.058	2.25	
13565	224.0	160.0	90.0	1189.0	134.0	22.1	18.10	4.0	0.00	0.073	2.18	
13566	220.0	290.0	170.0	970.0	50.0	18.2	12.60	5.6	0.01	0.065	3.60	
13567	339.0	230.0	150.0	514.0	189.0	23.6	16.80	6.8	0.00	0.073	2.28	

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	TALK	T-ACID	F	CL	BR	CN	S	SO3	SO4	CR04	AL	AS	BA	CA
13669		307.		101.							7.5			
13670		284.		97.							9.0			
13671		282.		96.							3.5			
13672		279.		100.							3.0			
13673		293.		100.							3.5			
13674		270.	64.	101.	0.00	0.10	0.00		132.		6.5			
13675		340.		108.							11.0			
13676		299.		107.							11.0			
13677		288.		112.							10.5			
13678		265.		109.							9.0			
13679		262.		96.							5.0			
13680		248.		95.							5.5			
13681		245.		104.							4.0			
13682		258.	148.	112.	0.00	0.10	0.00		134.		2.5			
13683		270.		102.							3.0			
13684		262.		104.							3.0			
13685		273.		101.							2.0			
13686		268.		102.							1.5			
13687		262.		117.							2.0			
13688		277.		117.							2.0			
13689		290.		119.							3.0			
13690		233.	30.	161.	0.00	0.20	0.40		102.		15.5			
13739		251.	38.	76.	0.00	0.40	0.00		96.		6.5			
13740		266.		60.	0.00	0.40	0.00		112.		3.5			
13741		270.	20.	78.	0.00	0.00	0.20		122.		1.0			
13755		270.		97.	0.00	0.40	0.00		73.		7.5			
13756		285.	26.	87.	0.00	0.20	0.00		99.		2.0			
13757		295.	26.	82.	0.00	0.20	0.00		238.		2.0			
13774		292.	70.	111.	0.00	0.30	0.10		220.		3.7			
13775		281.	58.	101.	0.00	0.00	0.10		262.		2.1			
13776		250.	60.	120.	0.00	0.00	0.10		292.		1.5			
13796		231.	52.	190.	0.00	0.20	0.20		296.		2.1			
13797		242.	40.	192.	0.00	0.20	0.00		288.		1.9			
13798		226.	36.	225.	0.00	0.30	0.00		311.		0.6			
13479		218.		360.							11.5			
13480		193.		430.							8.0			
13481		197.		430.							6.0			
13482		200.		470.							3.5			
13483		203.		480.							3.0			
13484		206.		510.							3.5			
13485		215.		500.							3.5			
13486		218.		530.							4.5			
13487		215.	4.	510.	0.00	0.20	0.00		112.		5.5			
13562		185.		480.					148.		7.3			
13563		199.		470.					74.		4.8			
13564		192.		480.					112.		5.2			
13565		161.		410.					164.		3.2			
13566		146.		420.					104.		5.2			
13567		157.		440.					144.		3.2			

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	CD	CC	CR	CR-HEX	CU	FE	HG	MG	MN	MO	NA	NI	PB	SN
13669	0.03		0.80		0.30	1.12		17.00	0.12			0.3	0.2	
13670	0.02		0.50		0.44	1.52		13.00	0.12			0.3	0.0	
13671	0.02		0.36		0.20	0.80		16.00	0.14			0.2	0.0	
13672	0.01		0.24		0.24	0.86		15.00	0.12			0.3	0.5	
13673	0.02		0.38		0.26	0.66		12.00	0.08			0.2	0.5	
13674	0.01		0.60		0.18	1.20	0.0011	11.00	0.17			0.3	0.0	
13675	0.02		0.76		0.52	1.72		18.00	0.15			0.3	0.0	
13676	0.03		0.64		0.60	0.57		18.00	0.18			0.3	0.0	
13677	0.04		0.50		0.48	1.83		16.00	0.17			1.1	0.0	
13678	0.03		0.62		0.36	1.77		18.00	0.18			0.8	0.2	
13679	0.00		0.36		0.36	1.17		19.00	0.17			0.4	0.7	
13680	0.01		0.40		0.22	0.94		18.00	0.20			0.5	1.0	
13681	0.02		0.42		0.20	0.80		17.00	0.12			0.4	0.0	
13682	0.01		0.38		0.22	0.60	0.0013	17.00	0.11			0.3	0.0	
13683	0.03		0.38		0.16	0.52		19.00	0.12			0.3	0.0	
13684	0.01		0.40		0.18	0.63		20.00	0.12			0.1	0.7	
13685	0.01		0.40		0.36	0.77		18.00	0.09			0.2	0.0	
13686	0.01		0.42		0.20	0.69		20.00	0.17			0.2	0.2	
13687	0.00		0.32		0.26	0.57		20.00	0.17			0.1	0.2	
13688	0.00		0.34		0.22	0.63		18.00	0.08			0.4	0.0	
13689	0.01		0.44		0.24	0.92		19.00	0.11			0.5	0.0	
13690	0.03		0.24		0.18	1.03	0.0014	19.00	0.15			0.1	0.0	
13739	0.02		0.62		0.16	1.29	0.0008	18.00	0.12			0.3	0.0	
13740	0.03		0.42		0.46	0.97	0.0028	15.00	0.12			0.6	0.0	
13741	0.02		0.28		0.20	0.31	0.0139	14.00	0.09			0.5	0.0	
13755	0.02		0.86		0.34	1.17	0.0010	13.00	0.15			0.4	0.2	
13756	0.03		0.82		0.22	0.66	0.0014	12.00	0.11			0.8	0.0	
13757	0.02		0.72		0.32	0.63	0.0020	12.00	0.11			0.3	0.5	
13774	0.01		1.10		0.24	1.44	0.0010	25.00	0.13			0.5	0.7	
13775	0.04		0.68		0.34	0.94	0.0022	24.00	0.14			0.4	0.5	
13776	0.01		0.44		0.08	0.69	0.0006	26.00	0.15			0.7	0.0	
13796	0.01		0.90		0.46	0.90	0.0075	23.00	0.14			0.2	1.0	
13797	0.02		0.80		1.40	1.54	0.0019	23.00	0.17			0.3	0.5	
13798	0.02		0.52		0.26	0.57	0.0024	14.00	0.15			0.6	0.2	
13479	0.01		0.12		0.30	2.15		15.00	0.13			0.1	0.0	
13480	0.00		0.20		0.30	1.80		12.00	0.10			0.3	0.0	
13481	0.01		0.30		0.48	1.34		12.00	0.08			0.2	0.0	
13482	0.01		0.28		0.24	1.29		14.00	0.04			0.1	0.0	
13483	0.02		0.58		0.56	1.12		15.00	0.08			0.2	0.0	
13484	0.01		0.34		0.22	1.06		12.00	0.07			0.1	0.0	
13485	0.02		0.24		0.30	1.00		16.00	0.08			0.2	0.0	
13486	0.01		0.32		0.34	1.43		16.00	0.08			0.1	0.0	
13487	0.01		0.38		0.38	1.57	0.0040	20.00	0.10			0.0	0.0	
13562	0.03		0.46		0.31	1.72		17.00	0.11			0.5	0.0	
13563	0.01		0.34		0.18	1.43		15.00	0.09			0.0	0.5	
13564	0.00		0.34		0.29	1.72		14.00	0.09			0.5	0.0	
13565	0.01		0.36		0.45	1.57		12.00	0.11			0.6	0.0	
13566	0.02		0.36		0.13	2.00		12.00	0.08			0.2	2.0	
13567	0.02		0.22		0.20	1.77		11.00	0.08			0.1	0.0	

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

IND	SEW	SAMP	TYPE	SIC	ENCO	DATE	TIME	FLOWRATE	FDRAT	PH	BOD5	COD-M	TOC	TS
604	16	13568	0	0	1	10/17/73	1730			6.4			80.	1592.0
604	17	13569	0	0	1	10/17/73	1830			7.0	74.0	1374.	60.	1488.0
604	18	13570	0	0	1	10/17/73	1930			7.0			70.	1588.0
604	19	13571	0	0	1	10/17/73	2030			6.9			210.	1464.0
604	20	13572	0	0	1	10/17/73	2130			6.8			100.	1492.0
604	21	13573	0	0	1	10/17/73	2230			6.9			210.	1508.0
604	22	13574	0	0	1	10/17/73	2330			7.0			120.	1556.0
604	23	13575	0	0	1	10/18/73	30			7.2			90.	1528.0
604	24	13576	0	0	1	10/18/73	130			7.1			90.	1528.0
604	25	13577	0	0	1	10/18/73	230			6.8	84.0	626.	120.	1516.0
604	26	13578	0	0	1	10/18/73	330			7.0			80.	1600.0
604	27	13579	0	0	1	10/18/73	430			7.1			120.	1208.0
604	28	13580	0	0	1	10/18/73	530			7.1			170.	1432.0
604	29	13581	0	0	1	10/18/73	630			7.0			60.	1576.0
604	30	13582	0	0	1	10/18/73	730			7.1			110.	1672.0
604	31	13583	0	0	1	10/18/73	830			6.9			40.	1624.0
604	32	13584	0	0	1	10/18/73	930			7.2			100.	1612.0
604	33	13585	0	0	1	10/18/73	1030			7.2	90.0	687.	400.	1532.0
604	34	13691	0	0	1	10/18/73	1130							
604	35	13692	0	0	1	10/18/73	1230			6.7			150.	1324.0
604	36	13693	0	0	1	10/18/73	1330			6.6			170.	1092.0
604	37	13694	0	0	1	10/18/73	1430			6.7			130.	1280.0
604	38	13695	0	0	1	10/18/73	1530			6.5			160.	1404.0
604	39	13696	0	0	1	10/18/73	1630			6.5			120.	1588.0
604	40	13697	0	0	1	10/18/73	1730			6.8			150.	1476.0
604	41	13698	0	0	1	10/18/73	1830			6.7	122.0	580.	120.	1404.0
604	42	13699	0	0	1	10/18/73	1930			6.7			90.	1484.0
604	43	13700	0	0	1	10/19/73	2030			6.6			150.	1460.0
604	44	13701	0	0	1	10/18/73	2130			6.5			120.	1444.0
604	45	13702	0	0	1	10/18/73	2230			6.6			140.	1372.0
604	46	13703	0	0	1	10/18/73	2330			6.6			140.	1380.0
604	47	13704	0	0	1	10/19/73	30			6.7			160.	1332.0
604	48	13705	0	0	1	10/19/73	130			6.7			110.	1456.0
604	49	13706	0	0	1	10/19/73	230			6.8	58.0	640.	68.	1536.0
604	50	13707	0	0	1	10/19/73	330			6.8			59.	1445.0
604	51	13708	0	0	1	10/19/73	430			6.8			63.	1688.0
604	52	13709	0	0	1	10/19/73	530			6.9			26.	1649.0
604	53	13710	0	0	1	10/19/73	630			7.0			29.	1676.0
604	54	13711	0	0	1	10/19/73	730			6.8			22.	1680.0
604	55	13712	0	0	1	10/19/73	830			6.8			20.	1300.0
604	56	13713	0	0	1	10/19/73	930			6.8			79.	1444.0
604	57	13714	0	0	1	10/19/73	1030			6.7	58.0	440.	78.	1472.0
604	58	13745	1	0	1	10/22/73	1200			7.1	129.0	1560.	200.	1736.0
604	59	13746	0	0	1	10/22/73	1200			7.1	149.0	1020.	190.	1544.0
604	60	13747	1	0	1	10/23/73	1200			7.2	135.0	710.	160.	1688.0
604	61	13758	1	0	1	10/23/73	1200			7.0	285.0	1000.	100.	1528.0
604	62	13759	1	0	1	10/23/73	1200			7.0	78.0	480.	100.	1384.0
604	63	13760	1	0	1	10/24/73	1200			7.2	75.0	450.	140.	1752.0
604	64	13777	1	0	1	10/24/73	1200			7.1	340.0	687.	230.	1680.0
604	65	13778	1	0	1	10/24/73	1200			6.6	108.0	771.	190.	1532.0

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	VS	TSS	VSS	TDS	VDS	TKN	NH3N	ORGN	NO3N	NO2N	T-IP	O-P
13568	448.0	170.0	150.0	1382.0	298.0	28.0	14.10	13.9	0.00	0.068	2.14	
13569	464.0	170.0	140.0	1318.0	324.0	22.9	14.60	8.3	0.00	0.042	2.28	
13570	512.0	200.0	150.0	1388.0	362.0	22.6	13.80	8.8	0.00	0.052	1.26	
13571	364.0	150.0	120.0	1314.0	244.0	22.7	13.60	9.1	0.00	0.042	1.94	
13572	416.0	150.0	110.0	1342.0	306.0	25.1	15.40	9.7	0.00	0.044	2.01	
13573	408.0	150.0	140.0	1398.0	268.0	26.8	14.60	12.2	0.00	0.031	2.71	
13574	408.0	160.0	120.0	1396.0	288.0	23.1	16.60	6.5	0.00	0.034	2.00	
13575	448.0	180.0	150.0	1348.0	298.0	27.5	18.60	8.9	0.00	0.026	2.14	
13576	368.0	90.0	60.0	1438.0	308.0	25.3	15.80	9.5	0.00	0.047	2.05	
13577	341.0	152.0	104.0	1364.0	237.0	22.1	13.10	9.0	0.00	0.031	1.83	
13578	376.0	52.0	44.0	1548.0	332.0	16.0	11.60	4.4	0.00	0.021	0.68	
13579	328.0	124.0	84.0	1084.0	244.0	16.0	9.32	6.7	0.00	0.021	0.40	
13580	384.0	120.0	84.0	1312.0	300.0	12.2	6.80	5.4	0.03	0.024	0.43	
13581	316.0	60.0	40.0	1516.0	276.0	10.8	7.15	3.7	0.00	0.019	0.34	
13582	349.0	76.0	52.0	1596.0	297.0	19.7	9.87	9.8	0.00	0.021	1.71	
13583	368.0	124.0	80.0	1500.0	288.0	25.7	10.80	14.9	0.00	0.021	1.54	
13584	356.0	108.0	80.0	1504.0	276.0	30.5	11.30	19.2	0.00	0.021	1.31	
13585	384.0	300.0	204.0	1232.0	180.0	30.6	19.70	10.9	0.00	0.079	1.88	
13691												
13692	296.0	244.0	80.0	1080.0	216.0	25.8	20.20	5.6	0.00	0.022	2.27	
13693	280.0	188.0	64.0	904.0	216.0	19.4	15.40	4.0	0.00	0.039	1.22	
13694	408.0	152.0	40.0	1128.0	368.0	33.2	17.30	15.9	0.00	0.039	1.99	
13695	348.0	160.0	40.0	1244.0	308.0	20.6	15.50	5.1	0.00	0.034	1.72	
13696	480.0	300.0	140.0	1288.0	340.0	25.4	16.30	9.1	0.00	0.028	3.18	
13697	320.0	256.0	80.0	1220.0	240.0	28.6	15.40	13.2	0.00	0.029	3.67	
13698	292.0	140.0	48.0	1264.0	244.0	20.4	15.40	5.0	0.00	0.022	2.71	
13699	276.0	140.0	44.0	1344.0	232.0	25.8	13.10	12.7	0.00	0.019	2.47	
13700	248.0	76.0	4.0	1384.0	244.0	25.8	16.90	8.9	0.00	0.028	4.35	
13701	220.0	112.0	24.0	1332.0	196.0	26.4	17.70	8.7	0.00	0.022	4.00	
13702	212.0	160.0	60.0	1212.0	152.0	25.5	16.90	8.6	0.00	0.028	3.70	
13703	228.0	148.0	68.0	1232.0	160.0	31.3	14.80	16.5	0.00	0.036	3.32	
13704	244.0	88.0	12.0	1244.0	232.0	25.2	12.30	12.9	0.00	0.028	2.56	
13705	224.0	96.0	24.0	1360.0	200.0	21.0	13.40	7.6	0.00	0.019	3.16	
13706	228.0	152.0	52.0	1384.0	176.0	21.1	12.80	8.3	0.00	0.022	6.90	
13707	208.0	72.0	12.0	1373.0	196.0	22.2	13.80	8.4	0.00	0.028	5.12	
13708	228.0	164.0	56.0	1524.0	172.0	24.2	13.50	10.7	0.00	0.028	3.13	
13709	192.0	80.0	8.0	1569.0	184.0	20.8	11.90	8.9	0.00	0.020	2.41	
13710	260.0	72.0	12.0	1604.0	248.0	20.6	11.67	8.9	0.00	0.022	2.26	
13711	180.0	76.0	4.0	1604.0	176.0	16.5	6.71	9.8	0.00	0.017	1.26	
13712	208.0	308.0	80.0	992.0	128.0	14.7	6.65	8.1	0.00	0.028	1.57	
13713	252.0	116.0	28.0	1328.0	224.0	18.8	9.93	8.9	0.00	0.022	2.29	
13714	247.0	160.0	52.0	1312.0	195.0	27.6	13.50	14.1	0.00	0.025	3.01	
13745	420.0	335.0	150.0	1401.0	270.0	29.6	18.90	10.7	0.01	0.025	2.54	
13746	324.0	175.0	95.0	1369.0	229.0	22.6	12.60	10.0	0.00	0.028	1.99	
13747	288.0	110.0	60.0	1578.0	228.0	17.1	9.63	7.5	0.00	0.022	1.57	
13758	268.0	155.0	100.0	1373.0	168.0	23.6	18.10	5.5	0.01	0.022	3.01	
13759	204.0	135.0	85.0	1249.0	119.0	20.6	15.40	5.2	0.00	0.028	2.29	
13760	232.0	175.0	110.0	1577.0	122.0	22.4	13.40	9.0	0.00	0.022	1.87	
13777		160.0	150.0	1520.0		24.2	18.30	5.9	0.00	0.029	3.06	
13778	344.0	220.0	130.0	1312.0	214.0	21.2	14.30	6.9	0.00	0.023	2.74	

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	TALK	T-ACID	F	CL	BR	CN	S	SO3	SO4	CRD4	AL	AS	8A	CA
13568	159.			470.					228.		3.6			
13569	140.	30.		400.	0.00	0.05	0.00		232.		2.8			
13570	151.			470.					184.		3.6			
13571	168.			470.					168.		2.4			
13572	172.			520.					200.		3.6			
13573	179.			520.					200.		3.6			
13574	184.			520.					188.		3.6			
13575	173.			560.					196.		3.2			
13576	163.			560.					190.		3.6			
13577	157.	30.		590.	0.00	0.15	0.00		180.		3.2			
13578	130.			570.					196.		2.0			
13579	117.			420.					144.		2.4			
13580	106.			540.					176.		2.4			
13581	125.			630.					184.		1.2			
13582	129.			590.					228.		1.6			
13583	140.			580.					232.		1.6			
13584	166.			530.					216.		2.0			
13585	172.	30.		520.	0.00	0.15	0.00		80.		6.5			
13691														
13692	195.			510.							4.5			
13693	152.			330.							5.0			
13694	174.			310.							6.5			
13695	170.			380.							5.5			
13696	178.			430.							3.5			
13697	182.			420.							2.0			
13698	190.	90.		380.	0.00	0.15	0.00		50.		1.5			
13699	187.			380.							1.7			
13700	198.			430.							2.5			
13701	202.			420.							3.5			
13702	185.			380.							4.0			
13703	177.			390.							4.2			
13704	167.			430.							3.5			
13705	174.			470.							2.5			
13706	173.	34.		500.	0.00	0.10	0.00		58.		2.5			
13707	176.			510.							3.0			
13708	169.			600.							2.5			
13709	174.			630.							2.0			
13710	174.			640.							2.5			
13711	145.			680.							1.0			
13712	115.			320.							6.5			
13713	151.			440.							3.5			
13714	170.	96.		450.	0.00	0.00	0.00		58.		3.0			
13745	207.	16.		390.	0.00	0.00	0.00		54.		4.0			
13746	173.	18.		430.	0.00	0.00	0.00		56.		2.5			
13747	164.	16.		590.	0.00	0.00	0.00		88.		1.5			
13758	207.	16.		390.	0.00	0.00	0.00		56.		3.5			
13759	187.	16.		440.	0.00	0.00	0.00		58.		1.7			
13760	184.	16.		590.	0.00	0.00	0.00		69.		2.0			
13777	209.	20.		390.	0.00	0.00	0.00		102.		1.7			
13778	187.	36.		460.	0.00	0.10	0.00		148.		0.4			

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	CD	CO	CR	CR-HEX	CU	FE	HG	MG	MN	MO	NA	NI	PB	SN
13568	0.00		0.32		0.31	2.29		12.00	0.10			0.2	0.0	
13569	0.00		0.34		0.27	2.00	0.0098	12.00	0.09			0.2	0.0	
13570	0.02		0.22		0.25	1.92		14.00	0.08			0.1	0.0	
13571	0.02		0.24		0.27	1.37		13.00	0.09			0.2	1.7	
13572	0.03		0.24		0.22	1.12		14.00	0.10			0.1	0.0	
13573	0.03		0.24		0.18	1.20		14.00	0.09			0.1	0.0	
13574	0.03		0.20		0.11	1.43		14.00	0.05			0.1	0.0	
13575	0.00		0.22		0.27	1.49		13.00	0.08			0.2	0.0	
13576	0.00		0.24		0.20	1.66		14.00	0.08			0.1	0.0	
13577	0.01		0.26		0.09	1.34	0.0056	14.00	0.13			0.0	0.0	
13578	0.02		0.08		0.18	1.63		14.00	0.03			0.0	0.0	
13579	0.00		0.08		0.20	1.63		12.00	0.06			0.2	0.0	
13580	0.00		0.02		0.27	1.72		12.00	0.08			0.0	0.0	
13581	0.00		0.04		0.34	0.72		12.00	0.08			0.5	0.5	
13582	0.01		0.16		0.22	0.92		14.00	0.08			0.2	0.0	
13583	0.01		0.30		0.18	1.03		14.00	0.10			0.0	0.0	
13584	0.00		0.38		0.25	0.89		12.00	0.10			0.1	0.7	
13585	0.02		0.34		0.25	1.75	0.0032	14.00	0.13			0.2	0.0	
13691														
13692	0.03		0.20		0.14	1.37		13.00	0.12			0.1	0.0	
13693	0.01		0.14		0.12	1.37		11.00	0.08			0.2	0.5	
13694	0.02		0.18		0.22	2.26		11.00	0.15			0.1	0.2	
13695	0.01		0.16		0.20	1.69		11.00	0.15			0.5	0.2	
13696	0.02		0.14		0.28	1.92		12.00	0.11			0.1	0.0	
13697	0.01		0.24		0.24	0.66		15.00	0.14			0.8	0.5	
13698	0.03		0.16		0.12	0.86	0.0060	14.00	0.09			0.4	0.0	
13699	0.01		0.16		0.20	0.66		18.00	0.08			0.2	0.0	
13700	0.00		0.22		0.20	0.97		14.00	0.12			0.2	0.0	
13701	0.00		0.22		0.30	1.14		15.00	0.14			0.3	0.0	
13702	0.02		0.18		0.22	1.52		16.00	0.11			0.2	0.0	
13703	0.02		0.16		0.22	1.06		18.00	0.11			0.1	0.2	
13704	0.02		0.16		0.16	0.89		14.00	0.11			0.1	0.0	
13705	0.03		0.16		0.14	0.69		13.00	0.11			0.1	0.0	
13706	0.02		0.14		0.08	0.34	0.0063	16.00	0.09			0.1	0.2	
13707	0.01		0.24		0.22	1.20		16.00	0.05			0.1	0.0	
13708	0.00		0.24		0.20	1.03		17.00	0.12			0.1	0.2	
13709	0.00		0.24		0.18	0.29		17.00	0.11			0.2	0.0	
13710	0.00		0.26		0.20	1.23		18.00	0.11			0.1	0.0	
13711	0.00		0.12		0.10	0.77		16.00	0.06			0.1	0.0	
13712	0.00		0.12		0.24	3.10		14.00	0.14			0.1	0.0	
13713	0.00		0.16		0.18	1.95		14.00	0.12			0.5	0.0	
13714	0.00		0.60		0.14	1.54	0.0054	17.00	0.12			0.2	0.0	
13745	0.01		0.26		0.16	1.49	0.0032	12.00	0.12			0.1	0.7	
13746	0.02		0.24		0.18	1.06	0.0034	14.00	0.14			0.2	0.0	
13747	0.02		0.14		0.16	0.72	0.0050	13.00	0.09			0.2	0.0	
13758	0.02		0.24		0.24	1.49	0.0034	14.00	0.09			0.1	0.5	
13759	0.02		0.26		0.16	1.00	0.0072	15.00	0.17			0.1	0.5	
13760	0.01		0.22		0.18	1.06	0.0024	17.00	0.08			0.2	0.0	
13777	0.01		0.30		0.12	0.63	0.0004	23.00	0.05			0.3	0.2	
13778	0.01		0.17		0.07	0.67	0.0048	25.00	0.08			0.4	0.5	

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

IND	SEW	SAMP	TYPE	SIC	ENCO	DATE	TIME	FLOWRATE	FUDURAT	PH	HOD5	COD-M	TOC	TS
604	66	13779	1	0	1	10/25/73	1200			7.1	63.0	375.	240.	1872.0
604	67	13799	1	0	1	10/25/73	1200			7.3	90.0	810.	170.	1628.0
604	68	13800	1	0	1	10/25/73	1200			7.3	90.0	640.	130.	1656.0
604	69	13801	1	0	1	10/26/73	1200			7.3	114.0	640.	100.	1813.0
605	1	13889	0	0	1	11/12/73	1000			7.4			39.	976.0
605	2	13890	0	0	1	11/12/73	1100			7.8			36.	828.0
605	3	13891	0	0	1	11/12/73	1200			7.6			54.	828.0
605	4	13892	0	0	1	11/12/73	1300			7.5			44.	916.0
605	5	13893	0	0	1	11/12/73	1400			7.5			52.	867.0
605	6	13894	0	0	1	11/12/73	1500			7.5			52.	928.0
605	7	13895	0	0	1	11/12/73	1600			7.4			60.	912.0
605	8	13896	0	0	1	11/12/73	1700			7.7	128.0	270.	28.	964.0
605	9	13897	0	0	1	11/12/73	1800			7.8			68.	932.0
605	10	13898	0	0	1	11/12/73	1900			7.6			46.	880.0
605	11	13899	0	0	1	11/12/73	2000			7.6			51.	797.0
605	12	13900	0	0	1	11/12/73	2100			7.6			39.	888.0
605	13	13901	0	0	1	11/12/73	2200			7.5			19.	892.0
605	14	13902	0	0	1	11/12/73	2300			7.5			56.	836.0
605	15	13903	0	0	1	11/12/73	2400			7.6			23.	832.0
605	16	13904	0	0	1	11/13/73	100			7.6	102.0	393.	14.	876.0
605	17	13905	0	0	1	11/13/73	200			7.6			9.	888.0
605	18	13906	0	0	1	11/13/73	300			7.7			14.	788.0
605	19	13907	0	0	1	11/13/73	400			7.9			52.	796.0
605	20	13908	0	0	1	11/13/73	500			7.6			11.	1024.0
605	21	13909	0	0	1	11/13/73	600			7.6			14.	1032.0
605	22	13910	0	0	1	11/13/73	700			7.8			19.	984.0
605	23	13911	0	0	1	11/13/73	800			7.7			18.	1164.0
605	24	13912	0	0	1	11/13/73	900			7.9	96.0	311.	12.	1152.0
605	25	13950	1	0	1	11/13/73	1630			7.3	75.0	250.	59.	1088.0
605	26	13951	1	0	1	11/14/73	30			7.4	133.0	261.	31.	920.0
605	27	13952	1	0	1	11/14/73	830			7.5	63.0	111.	6.	1124.0
605	28	13965	1	0	1	11/14/73	1630			7.7	69.0	250.	13.	832.0
605	29	13966	1	0	1	11/15/73	30			7.6	123.0	244.	26.	779.0
605	30	13967	1	0	1	11/15/73	830			7.8	57.0	189.	23.	988.0
606	1	14102	1	0	1	11/27/73	1630			7.2	153.0	342.	60.	616.0
606	2	14103	1	0	1	11/28/73	30			7.1	88.0	283.	43.	644.0
606	3	14104	1	0	1	11/28/73	830			7.3	108.0	200.	29.	640.0
606	4	14175	0	0	1	11/28/73	930			7.8			44.	528.0
606	5	14176	0	0	1	11/28/73	1030			7.9			26.	528.0
606	6	14177	0	0	1	11/28/73	1130			7.7			18.	580.0
606	7	14178	0	0	1	11/28/73	1230			7.7			32.	670.0
606	8	14179	0	0	1	11/28/73	1330			6.9			52.	540.0
606	9	14180	0	0	1	11/28/73	1430			6.8			106.	1192.0
606	10	14181	0	0	1	11/28/73	1530			6.7			62.	624.0
606	11	14182	0	0	1	11/28/73	1630			6.8	104.0	447.	60.	680.0
606	12	14183	0	0	1	11/28/73	1730			6.9			150.	844.0
606	13	14184	0	0	1	11/28/73	1830			7.2			58.	552.0
606	14	14185	0	0	1	11/28/73	1930			7.2			47.	556.0

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	VS	TSS	VSS	TDS	VDS	TKN	NH3N	ORGN	NO3N	NO2N	T-IP	O-P
13779	300.0	110.0	100.0	1762.0	200.0	15.4	10.83	4.6	0.00	0.011	1.42	
13799	408.0	190.0	140.0	1438.0	268.0	23.0	17.30	5.7	0.01	0.025	2.53	
13800	348.0	190.0	150.0	1466.0	198.0	19.0	12.30	6.7	0.00	0.019	1.72	
13801	260.0	120.0	100.0	1693.0	160.0	18.9	13.20	5.7	0.00	0.017	1.34	
13889	144.0	156.0	120.0	820.0	24.0	20.3	14.70	5.6	0.70	0.693	3.99	
13890	176.0	96.0	64.0	732.0	112.0	28.3	23.00	5.3	0.08	0.354	3.27	
13891	184.0	204.0	152.0	624.0	32.0	27.6	20.80	6.8	0.00	0.482	3.58	
13892	235.0	164.0	132.0	752.0	103.0	19.0	12.10	6.9	1.49	1.073	6.90	
13893	195.0	184.0	152.0	683.0	43.0	16.1	11.79	4.3	0.82	0.866	5.24	
13894	248.0	140.0	100.0	788.0	148.0	14.1	9.85	4.3	1.58	0.584	6.60	
13895	256.0	124.0	96.0	788.0	160.0	13.2	9.20	4.0	1.73	0.744	7.80	
13896	292.0	128.0	96.0	836.0	196.0	14.9	10.64	4.3	1.36	0.755	6.50	
13897	260.0	228.0	156.0	704.0	104.0	17.4	12.40	5.0	0.35	0.614	4.11	
13898	216.0	60.0	52.0	820.0	164.0	17.0	12.40	4.6	0.81	0.671	5.00	
13899	189.0	112.0	96.0	685.0	93.0	18.5	13.00	5.5	0.17	0.445	3.55	
13900	224.0	112.0	92.0	776.0	132.0	17.1	12.40	4.7	0.00	0.153	3.37	
13901	304.0	180.0	152.0	712.0	152.0	17.3	12.50	4.8	0.00	0.048	3.55	
13902	272.0	164.0	140.0	672.0	132.0	17.2	12.50	4.7	0.00	0.068	3.80	
13903	260.0	160.0	132.0	672.0	128.0	15.8	12.10	3.7	0.00	0.334	3.80	
13904	233.0	144.0	120.0	732.0	113.0	16.7	11.67	5.0	0.00	0.332	3.62	
13905	269.0	144.0	108.0	744.0	161.0	14.6	11.20	3.4	0.03	0.199	3.09	
13906	176.0	76.0	42.0	712.0	134.0	13.7	11.08	2.6	0.23	0.091	2.93	
13907	144.0	100.0	84.0	696.0	60.0	12.3	9.73	2.6	0.43	0.134	3.30	
13908	204.0	92.0	72.0	932.0	132.0	11.8	9.67	2.1	0.44	0.147	2.99	
13909	188.0	104.0	56.0	928.0	132.0	10.4	8.56	1.8	0.48	0.125	2.12	
13910	147.0	38.0	32.0	946.0	115.0	8.1	6.51	1.6	0.58	0.115	2.28	
13911	236.0	40.0	30.0	1124.0	206.0	8.0	6.07	1.9	0.48	0.113	1.93	
13912	296.0	100.0	80.0	1052.0	216.0	23.1	14.10	9.0	0.47	0.158	2.93	
13950	124.0	60.0	16.0	1028.0	108.0	16.3	14.20	2.1	0.00	1.021	3.31	
13951	88.0	84.0	60.0	836.0	28.0	12.0	11.48	0.5	0.00	0.082	2.87	
13952	136.0	34.0	28.0	1090.0	108.0	10.6	9.80	0.8	0.04	0.074	2.19	
13965	172.0	78.0	40.0	754.0	132.0	15.8	12.70	3.1	0.11	0.788	3.04	
13966	164.0	82.0	40.0	697.0	124.0	15.7	11.95	3.8	0.00	0.007	2.71	
13967	188.0	44.0	20.0	944.0	168.0	12.6	10.93	1.7	0.03	0.173	2.23	
14102	172.0	98.0	70.0	518.0	102.0	30.8	23.30	7.5	0.00	0.012	2.72	
14103	272.0	66.0	42.0	578.0	230.0	12.9	10.17	2.7	0.00	0.006	1.44	
14104	244.0	34.0	12.0	606.0	232.0	12.6	10.11	2.5	0.23	0.158	0.88	
14175	244.0	236.0	148.0	292.0	96.0	11.6	9.95	1.7	0.10	0.069	0.98	
14176	276.0	228.0	136.0	300.0	140.0	14.1	11.50	2.6	0.14	0.086	0.93	
14177	280.0	220.0	156.0	360.0	124.0	23.7	18.00	5.7	0.05	0.081	1.83	
14178	300.0	640.0	240.0	30.0	60.0	25.6	18.70	6.9	0.00	0.012	2.12	
14179	232.0	216.0		324.0		15.6	10.82	4.8	0.00	0.014	1.47	
14180	645.0	208.0		984.0		14.3	9.57	4.7	0.00	0.012	1.98	
14181	272.0	360.0	196.0	264.0	76.0	10.5	5.79	4.7	0.00	0.014	1.10	
14182	268.0	264.0	148.0	416.0	120.0	12.7	7.92	4.8	0.00	0.017	1.28	
14183	464.0	304.0	148.0	540.0	316.0	14.9	6.27	8.6	0.01	0.015	2.65	
14184	140.0	180.0	120.0	372.0	20.0	14.7	9.97	4.7	0.00	0.012	1.73	
14185	200.0	248.0	128.0	308.0	72.0	18.0	12.10	5.9	0.00	0.014	1.76	

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	TALK	T-ACID	F	CL	BR	CN	S	SN3	SD4	CR04	AL	AS	BA	CA
13779	173.	30.		590.	0.00	0.00	0.00		200.		0.6			
13799	183.	28.		440.	0.00	0.20	0.00		188.		0.8			
13800	155.	20.		500.	0.00	0.00	0.00		183.		1.0			
13801	160.	18.		640.	0.00	0.20	0.00		211.		0.8			
13889	236.			209.					280.		0.2			
13890	270.			128.					260.		0.0			
13891	259.			107.					230.		0.2			
13892	211.			122.					244.		0.4			
13893	225.			107.					245.		0.4			
13894	195.			102.					265.		0.4			
13895	186.			107.					276.		0.2			
13896	215.	16.		103.	0.00	0.00	0.00		277.		0.0			
13897	254.			100.					245.		0.6			
13898	218.			121.					268.		0.4			
13899	226.			93.					258.		0.4			
13900	219.			92.					302.		0.0			
13901	217.			89.					252.		0.2			
13902	218.			89.					245.		0.2			
13903	217.			93.					236.		0.4			
13904	223.	18.		121.	0.00	0.00	0.00		247.		0.0			
13905	229.			84.					255.		0.2			
13906	229.			95.					258.		0.0			
13907	223.			127.					270.		0.0			
13908	223.			218.					200.		0.0			
13909	229.			199.					272.		0.0			
13910	229.			211.					293.		0.0			
13911	229.			260.					290.		0.0			
13912	260.	12.		270.	0.00	0.00	0.10		264.		0.0			
13950	230.	12.		151.		0.00	0.20		178.		0.0			
13951	233.	12.		104.		0.00	0.20		223.		0.0			
13952	233.	14.		169.		0.00	0.20		254.		0.0			
13965	289.	14.		114.		0.30	0.20		252.		0.2			
13966	275.	16.		97.		0.60	0.20		250.		0.2			
13967	279.	16.		194.		0.30	0.20		305.		0.2			
14102	287.	35.		59.		0.00					0.0			
14103	185.	27.		42.		0.00					0.2			
14104	226.	18.		46.		0.00					0.2			
14175	247.			52.					44.		0.0			
14176	244.			44.					20.		0.0			
14177	269.			45.					14.		0.2			
14178	272.			54.					92.		0.2			
14179	237.			66.					38.		0.0			
14180	235.			42.					92.		0.0			
14181	218.			44.					44.		0.5			
14182	225.	43.		46.		0.00	0.83		14.		0.2			
14183	193.			72.					8.		0.0			
14184	241.			52.					40.		0.0			
14185	241.			47.					17.		0.0			

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	CD	CO	CR	CR-HEX	CU	FE	HG	MG	MN	MO	NA	NI	PB	SN
13779	0.01		0.18		0.07	0.77	0.0028	27.00	0.08			0.2	0.2	
13799	0.01		0.43		0.12	1.20	0.0038	12.00	0.10			0.3	0.4	
13800	0.02		0.32		0.24	0.79	0.0028	16.00	0.10			0.1	0.5	
13801	0.02		0.28		0.11	0.76	0.0036	13.00	0.09			0.1	0.5	
13889	0.00		0.00		0.08	0.13		21.00	0.06			0.1	0.0	
13890	0.00		0.02		0.09	0.10		17.00	0.05			0.0	0.0	
13891	0.00		0.00		0.10	0.39		15.00	0.07			0.0	0.0	
13892	0.00		0.01		0.09	0.11		17.00	0.05			0.1	0.0	
13893	0.00		0.00		0.07	0.15		17.00	0.03			0.1	0.1	
13894	0.00		0.00		0.06	0.21		18.00	0.06			0.0	0.0	
13895	0.00		0.00		0.08	0.25		18.00	0.06			0.0	0.0	
13896	0.01		0.01		0.06	0.24	0.0044	17.00	0.04			0.1	0.1	
13897	0.00		0.00		0.10	0.20		16.00	0.05			0.0	0.0	
13898	0.01		0.00		0.08	0.15		17.00	0.04			0.0	0.2	
13899	0.01		0.01		0.10	0.18		15.00	0.03			0.0	0.0	
13900	0.02		0.00		0.09	0.19		16.00	0.06			0.1	0.0	
13901	0.01		0.00		0.08	0.21		13.00	0.06			0.1	0.0	
13902	0.01		0.00		0.10	0.10		15.00	0.04			0.1	0.0	
13903	0.01		0.00		0.06	0.18		14.00	0.04			0.0	0.0	
13904	0.00		0.02		0.09	0.16	0.0012	16.00	0.04			0.0	0.1	
13905	0.01		0.00		0.08	0.15		18.00	0.05			0.0	0.0	
13906	0.01		0.00		0.06	0.13		19.00	0.06			0.1	0.0	
13907	0.00		0.00		0.05	0.11		18.00	0.03			0.0	0.0	
13908	0.00		0.00		0.08	0.10		20.00	0.04			0.0	0.2	
13909	0.00		0.00		0.06	0.13		19.00	0.05			0.0	0.0	
13910	0.01		0.00		0.04	0.09		18.00	0.04			0.1	0.0	
13911	0.00		0.00		0.06	0.13		20.00	0.05			0.1	0.0	
13912	0.00		0.00		0.05	0.10	0.0000	25.00	0.07			0.0	0.0	
13950	0.01		0.00		0.09	0.20	0.0320	20.00	0.04			0.4	0.0	
13951	0.01		0.00		0.07	0.16	0.0027	20.00	0.04			0.1	0.0	
13952	0.01		0.00		0.03	0.08	0.0550	24.00	0.05			0.2	0.0	
13965	0.00		0.00		0.06	0.09	0.0000	22.00	0.00			0.1	0.0	
13966	0.00		0.02		0.08	0.10	0.0021	19.00	0.02			0.0	0.0	
13967	0.00		0.02		0.05	0.06	0.0000	24.00	0.03			0.1	0.0	
14102	0.00		0.00		0.02	0.35	0.0000	14.00	0.23			0.0	0.2	0.
14103	0.00		0.00		0.03	0.38	0.0000	11.00	0.30			0.0	0.0	0.
14104	0.00		0.00		0.02	0.28	0.0000	15.00	0.33			0.1	0.2	0.
14175	0.00		0.00		0.02	0.53		13.00	0.26			0.2	0.0	
14176	0.00		0.00		0.04	0.50		14.00	0.25			0.0	0.0	
14177	0.00		0.00		0.04	0.41		12.00	0.25			0.0	0.0	
14178	0.00		0.00		0.02	0.38		13.00	0.21			0.0	0.0	
14179	0.00		0.00		0.06	0.29		12.00	0.24			0.3	0.0	
14180	0.00		0.01		0.10	0.80		13.00	0.22			0.0	0.0	
14181	0.00		0.00		0.05	0.36		13.00	0.18			0.0	0.0	
14182	0.00		0.00		0.07	0.33	0.0024	11.00	0.26			0.0	0.0	
14183	0.00		0.00		0.08	0.34		11.00	0.27			0.0	0.0	
14184	0.00		0.01		0.08	0.35		12.00	0.26			0.0	0.0	
14185	0.00		0.00		0.05	0.31		11.00	0.24			0.1	0.0	

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

IND	SEW	SAMP	TYPE	SIC	ENCO	DATE	TIME	FLOWRATE	FUDURAT	PH	BOD5	COD-M	TOC	TS
	606	15	14186	0	0	1	11/28/73	2030		7.1		61.	616.0	
	606	16	14187	0	0	1	11/28/73	2130		7.1		82.	628.0	
	606	17	14188	0	0	1	11/28/73	2230		7.1		50.	624.0	
	606	18	14189	0	0	1	11/28/73	2330		7.1		55.	568.0	
	606	19	14190	0	0	1	11/29/73	30		7.4	215.0	497.	34.	508.0
	606	20	14191	0	0	1	11/29/73	130		7.7		50.	563.0	
	606	21	14192	0	0	1	11/29/73	230		7.6		31.	512.0	
	606	22	14193	0	0	1	11/29/73	330		7.6		53.	468.0	
	606	23	14194	0	0	1	11/29/73	430		7.6		63.	508.0	
	606	24	14195	0	0	1	11/29/73	530		7.5		39.	448.0	
	606	25	14196	0	0	1	11/29/73	630		7.4		8.	428.0	
	606	26	14197	0	0	1	11/29/73	730		7.6		8.	484.0	
	606	27	14198	0	0	1	11/29/73	830		7.6	76.0	77.	10.	388.0
	606	28	14228	1	0	1	11/29/73	1600		7.2	156.0	440.	72.	
	606	29	14229	1	0	1	11/29/73	2400		7.2	165.0	606.	94.	
	606	30	14230	1	0	1	11/30/73	800		7.5	70.0	231.	39.	

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	VS	TSS	VSS	TDS	VDS	TKN	NH3N	ORGN	NO3N	NO2N	T-TP	O-P
14186	267.0	236.0	140.0	380.0	127.0	17.1	11.10	6.0	0.00	0.012	1.93	
14187	344.0	284.0	188.0	344.0	156.0	15.7	11.00	4.7	0.00	0.014	2.06	
14188	336.0	244.0	148.0	380.0	188.0	17.1	11.50	5.6	0.00	0.012	2.25	
14189	292.0	172.0	88.0	396.0	204.0	18.5	12.70	5.8	0.00	0.012	2.78	
14190	196.0	204.0	124.0	304.0	72.0	17.7	11.70	6.0	0.00	0.014	2.50	
14191	204.0	208.0	132.0	355.0	72.0	17.3	12.10	5.2	0.00	0.012	2.68	
14192	172.0	188.0	100.0	324.0	72.0	18.0	14.10	3.9	0.00	0.007	2.23	
14193	156.0	204.0	124.0	264.0	32.0	18.8	14.30	4.5	0.00	0.007	2.16	
14194	184.0	140.0	80.0	368.0	104.0	17.6	13.50	4.1	0.00	0.007	2.45	
14195	128.0	156.0	88.0	292.0	40.0	13.4	10.11	3.3	0.00	0.007	1.08	
14196	112.0	110.0	62.0	318.0	50.0	12.2	9.63	2.6	0.00	0.041	0.75	
14197	132.0	64.0	36.0	420.0	96.0	8.6	6.88	1.7	0.22	0.119	0.62	
14198	63.0	54.0	28.0	334.0	35.0	7.2	5.77	1.4	0.28	0.104	0.69	
14228		140.0	70.0			19.0	15.60	3.4	0.00	0.007	2.55	
14229		164.0	82.0			15.9	10.17	5.7	0.00	0.017	2.94	
14230		90.0	32.0			16.1	13.20	2.9	0.09	0.056	2.38	

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	TALK	T-ACID	F	CL	BR	CN	S	SO3	SO4	CR04	AL	AS	BA	CA
14186	235.			50.					20.		0.0			
14187	215.			47.					28.		0.0			
14188	223.			46.					30.		0.0			
14189	229.			50.					26.		0.5			
14190	231.	35.		49.		0.00	0.83		20.		0.0			
14191	263.			54.					29.		0.0			
14192	249.			63.					26.		0.0			
14193	254.			54.					24.		0.0			
14194	247.			51.					35.		0.0			
14195	226.			51.					30.		0.0			
14196	237.			44.					34.		0.0			
14197	235.			48.					30.		0.0			
14198	232.	22.		44.		0.00	0.33		48.		0.0			
14228	258.	26.		46.		0.00	0.50		34.		0.0			
14229	226.	25.		50.		0.00	0.68		29.		0.0			
14230	249.	13.		47.		0.00	0.28		0.		0.0			

ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

SAMP	CD	CO	CR	CR-HEX	CU	FE	HG	MG	MN	MO	NA	NI	PB	SN
14186	0.00	0.00			0.08	0.31		12.00	0.25			0.2	0.0	
14187	0.00	0.00			0.08	0.36		12.00	0.22			0.1	0.0	
14188	0.00	0.00			0.08	0.29		11.00	0.11			0.1	0.0	
14189	0.00	0.01			0.06	0.31		11.00	0.21			0.0	0.0	
14190	0.00	0.01			0.06	0.30	0.0054	11.00	0.20			0.0	0.0	
14191	0.00	0.01			0.05	0.33		12.00	0.25			0.1	0.0	
14192	0.00	0.01			0.01	0.25		12.00	0.24			0.1	0.0	
14193	0.00	0.01			0.02	0.34		14.00	0.30			0.0	0.0	
14194	0.00	0.01			0.01	0.49		12.00	0.27			0.1	0.0	
14195	0.00	0.01			0.03	0.34		12.00	0.17			0.0	0.0	
14196	0.00	0.01			0.02	0.25		13.00	0.22			0.1	0.0	
14197	0.00	0.00			0.03	0.26		14.00	0.24			0.0	0.0	
14198	0.00	0.00			0.04	0.30	0.0006	15.00	0.27			0.0	0.0	
14228	0.00	0.00			0.08	0.93	0.0000	13.00	0.24			0.0	0.0	
14229	0.00	0.00			0.10	0.94	0.0000	13.00	0.23			0.0	0.0	
14230	0.00	0.00			0.08	0.63	0.0010	14.00	0.32			0.0	0.0	

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ONONDAGA COUNTY INDUSTRIAL WASTE SURVEY

APPENDIX 8
INDUSTRY DESCRIPTIONS AND SAMPLING LOCATIONS

AJM BUMPER PLATING CORP.
120 Wall Street
Syracuse, New York 13204

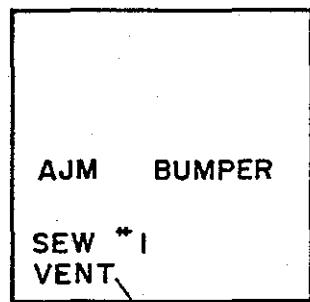
The AJM Bumper Plating Corporation deals with rechroming automobile bumpers.

Reclaimed bumpers are put through a metal plating process where chrome is applied. Wastewater originates from the rinse tank operations and from sanitary facilities.

This industry employs 21 people on a 8 hour shift, 5 days a week. It has been estimated that this plant uses water at a rate of 28,000 gpd. Water use records for 1971, reflect a total of 950,000 gallons of water was used. The majority of the water used goes to the metal plating process, roughly 85%, while the remainder of water is used for boiler feed and sanitary purposes. Raw materials consist of largely chrome metal.

A composite sample was collected over the production day. This particular sample was taken from a vent on the sanitary line located directly in front of the building. A sketch of the sampling location is provided.

AJM BUMPER PLATING CO.
SAMPLING SITES



WALL ST

ALL-STATE STAMPING CORP.
538 Erie Blvd. West
Syracuse, N.Y. 13204

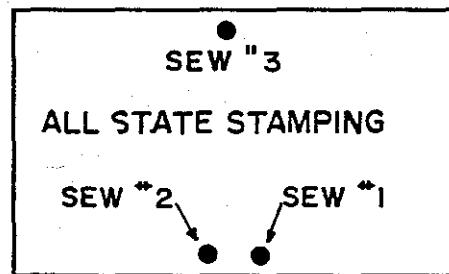
All-State Stamping Corp. specializes in pressing and stamping metals into various designs. The major manufacturing process involves several machine operations related to the production of metal stampings. The single source of wastewater originates from the sanitary facilities.

The plant is in operation 5 days per week, 8 hours per day. An average of 35 persons are employed at the plant. Steel and metal castings represent the raw materials utilized in the stamping process. The calculated water usage averages 425,600 gallons of water per year or 1,700 gpd.

A total of three grab samples were collected during the production day. The samples, designated SEW #1, SEW #2, and SEW #3 were taken from within the building as shown on the accompanying sketch.

ALL STATE STAMPING CORP
SAMPLING SITES

ERIE BLVD



ALLIED CHEMICAL CORP.
P.O. Box 6
Solvay, New York 13209

Allied Chemical Corp. produces a wide variety of organic and inorganic chemicals. The manufacturing of chemicals involves benzol chlorination with steam stripping, chlor-alkali production via electrolysis of brine and the Solvay soda ash process. Wastewater originates from the chemical process operations and the sanitary facilities. All process wastewaters are discharged through a separate process sewer system and treated as required, whereas the sanitary wastes discharge directly to the sanitary sewers.

Allied Chemical operates 7 days per week, 24 hours per day. The average employment is 1,100 people on the first 8 hour shift and 500 people on both second and third shifts. The municipal water usage during the past three years (1970-1973) averages approximately 1,646,000,000 gallons per year or 4,575,000 gpd. The raw materials utilized annually for the major chemical productions are:

Salt brine	1,700,000 tons
Limestone	1,361,000 tons
Anhydrous Ammonia	16,400 tons
Coal	735,000 tons
Sulfuric acid	2,200 tons
Benzol	11,000 tons
Graphite	1,160,000 lbs.
Muriate of potash	42,000 tons

Composite samples were collected from 6 individual sanitary sewer lines. The sampling locations are shown on the Allied Chemical plot plan for sanitary sewers (91447-12).

ALLEN TOOL CORPORATION
308 Maltbie Street
Syracuse, New York 13204

Allen Tool Corporation manufactures a variety of stud and screw driving machines, welding equipment and special machinery. The industry also provides experimental aircraft machining, general tooling and designing services, electrical discharge machining, jig grinding, x-ray inspection and spectrometer leak testing. The basic manufacturing processes are characteristic of typical metal working operations involving chipping, grinding, drilling and finishing. The majority of wastewater originates from the sanitary facilities, dark room washing operations and cooling water discharge.

Allen Tool Corp. operates 5 days per week, 18 hours per day. Approximately 82 persons are employed on the first 9 hour shift while only 8 persons are employed on the second 9 hour shift. The municipal water usage during 1972 averages 1,578,000 gallons per year or 6,300 gpd. Approximately 80 tons of plasters, metals and organic plastics are utilized each year as raw materials.

One grab sample was collected during the production day from a vent outside the building. The vent is located near the north end of the plant on the front lawn towards Maltbie Street.

ANAREN MICROWAVE, INC.
184 Ainsley Drive
Syracuse, New York

Anaren Microwave, Inc. produce wideband microwave components, solid state switches, phase and frequency discriminators, frequency monitors, RF receivers, antenna feeds and amplifiers. The only manufacturing process involving industrial wastewater is the metal rinsing procedure from the gold plating operation. The sanitary facilities also represent a source of wastewater.

The plant is in operation 5-1/4 days per week. The average employment is 140 persons on the first shift, 12 persons on the second shift and only 2 persons on the third shift. The municipal water usage averages 2,700,000 gallons per year or 10,000 gpd. Approximately 95% of the water consumption is utilized in the sanitary facilities while the remaining 5% is used as rinse water in the gold plating process.

Two composite samples were collected during the production day. One composite was taken from a manhole labelled, SEW #1, located near bushes towards the front of the building. The other composite sample was taken from another manhole labelled SEW #2, located near the guardrail in the front parking lot. Both sampling sites are shown on the enclosed sketch.

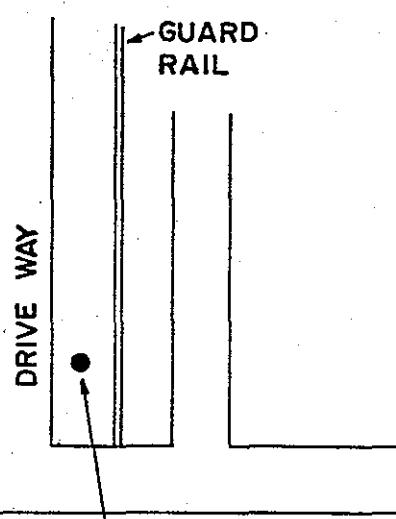
**ANAREN MICROWAVE INC.
SAMPLING SITES**

ANAREN MICROWAVE INC.

**PARKING SEW #1 ●
 MH**

AINSLEY DR

**SEW #2
MH**



ASPEN INDUSTRIES INC.
Route 281 at Lake Road
Tully, New York

Aspen Industries Inc., formerly Databagent Corp., manufactures detergents, bleaches, chlorine and sanitizers in tablet and liquid form. The manufacturing process is a very dry operation which involves forming chemical tablets from plastic molds and packaging the product in containers. The wastewater originates from the sanitary facilities and discharges directly into a septic tank.

The plant operates 5-1/2 days per week, 8 hours per day.

Aspen Industries Inc. employs 15 persons in the office and 15 persons in the plant. The municipal water usage averages 135,000 gallons per year or 540 gpd. The major raw material utilized is chlorine in tablet and liquid form.

Wastewater samples were not collected for this industry since it is a dry process operation and any wastewater is discharged into a septic tank.

BIELING GEARS INC.
29 Lincoln Street
Tully, New York 13159

Bieling Gears Inc. is primarily a storage warehouse for machinery. The facility is not in operation at the present time, therefore, wastewater samples were not taken.

When in operation, the facility fabricates transmissions, gears, differentials and drive assemblies. However, Bieling Gears Inc. is not at this time nor in the immediate foreseeable future expected to become a fully operating concern.

BORDEN'S ICE CREAM CO.
6166 East Molloy Road
East Syracuse, N.Y. 13057

Borden's Ice Cream Co. is a large processor of ice cream in an assorted variety of flavors. The basic process involves the mixing and cooling of proper ingredients in large freezers and, packaging the finished ice cream products. Wastewater originates from the sanitary facilities, process cleanup, cooling water and process manufacturing.

The plant operates 5 days per week, 16 hours per day on production and 8 hours per day on clean up. An average of 70 persons are employed during the first shift with 30 persons on the second shift and 15 persons on the third shift. Approximately 30,898,000 gallons of water is utilized per year or 123,600 gpd. The major raw materials used in the process are milk solids, butter fat, caustic soda, phosphoric acid and a minimal amount of chlorine.

One composite sample was taken during the production day from a manhole located near the east side of the building upon the front lawn and approximately 30' from Molloy Road.

Borden's provides a slight degree of wastewater treatment in the form of a grease trap. Wastewater passes through the grease trap before being discharged to the municipal sewer system.

BRISTOL LABORATORIES
Thompson Road
Syracuse, New York 13201

Bristol Laboratories produces a wide range of antibiotics, antihistamines, bulk organic chemicals, and prescription drug products. The basic process for manufacturing the drugs involves mixing proper medicinal ingredients, aerobic fermentation, and extracting the antibiotics after fermentation. Bottling, packaging, and shipping are also part of the processing procedure. Wastewater originates from the sanitary facilities, boiler blowdown, cooling tower overflow, and process water from the drug production areas.

Bristol Laboratories operates 5 days per week, 24 hours per day. The total average employment for 1973 is estimated to be 2,300 persons. Water records for this plant reveal that an estimated 396,962,500 gallons of water will be used for 1973. This is a rate of 1,587,800 gallons per day. Bristol Laboratories estimates that their 1973 fermentation production will be about 1,000,000 Kg. of active antibiotics.

Sampling of this industry consisted of 24 hour composite samples taken at SEW #'s 1, 2, 3, 4, 6 and 7. A grab sample was taken at SEW #9. (See Bristol Laboratories dwg.: "Plot Plan-General Sewer System", Dwg. #X-Y-243).

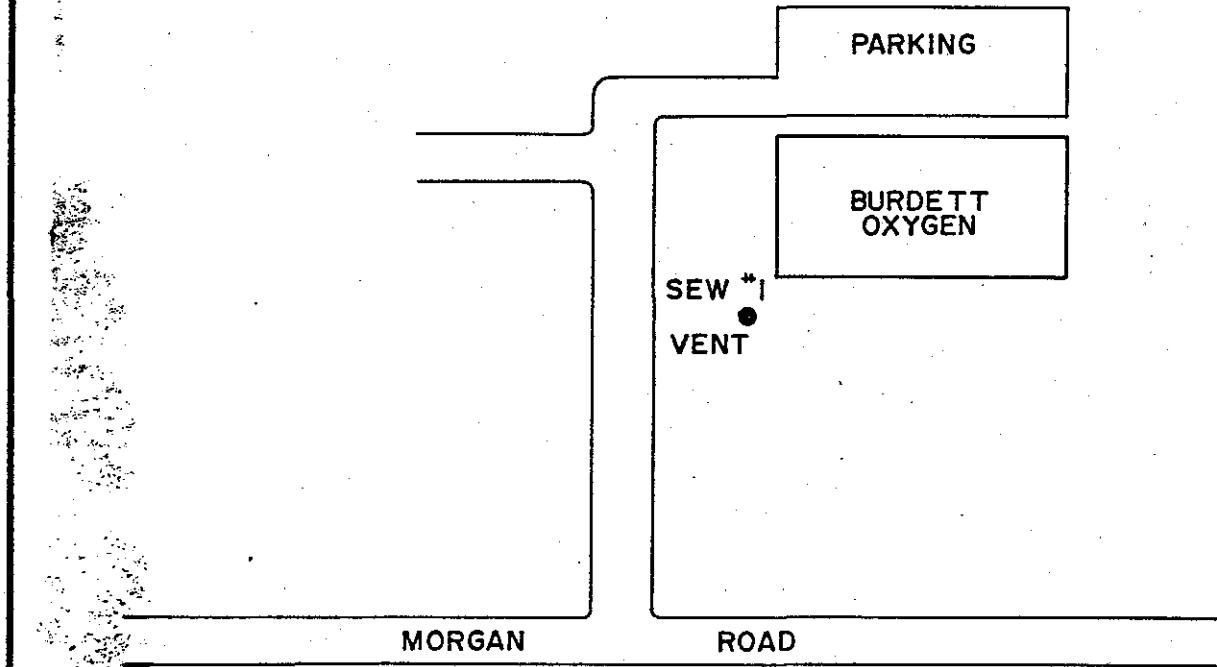
BURDETT OXYGEN CO. OF SYRACUSE, INC.
Morgan Place, Box 0
Liverpool, New York 13088

The Burdett Oxygen Co. of Syracuse, Inc. is primarily a distribution center for bottled gases. Originally, the plant operated a production line; now, however, only bottling and shipping take place. Several products are bottled there such as oxygen, nitrogen, compressed air, medical gases and some liquid oxygen and nitrogen.

Being basically a distribution operation, water use and wastewater discharge are relatively low. The plant uses approximately 900 gallons/day (gpd) which, at this rate, totals approximately 210,000 gallons a year. Water is used in a rinsing process of a hydrostatic test unit. Wastewater originates primarily from sanitary use. Wastewater from the hydrostatic test unit discharges to a drywell. This plant ships out approximately 5 million cubic feet of oxygen/month, 1 million cubic feet of nitrogen /month, and 2000 cubic feet of argon/month. The Burdett Oxygen Co. operates two shifts within a 15 hour period, 5 days a week. The total average number of employees for both shifts is 35.

Sampling of this industry consisted of a composite sample taken over a normal operating shift. This composite sample was taken through a vent on the sanitary line located off the northwest corner of the building (see enclosed sketch).

BURDETT OXYGEN CO. OF SYRACUSE
SAMPLING SITES



BURKHARD BROS., INC.
203 Wavel Street, Industrial Park
Syracuse, N.Y. 13206

Burkhard Bros., Inc. is a job shop machining operation where machine tools are rebuilt along with new machine tool parts. The primary manufacturing process involved is characteristic of a machine shop which includes parts cutting, grinding, drilling and finishing. Wastewater originates from the sanitary facilities and from the steam cleaning operation. The steam cleaning water is discharged directly to a creek through a tile field.

The plant is in operation 5 days per week, 9 hours per day. An average of 35 persons are employed at the plant. During the past three years, (1970, 1971, 1972) an average of 165,000 gallons of water was utilized per year or 660 gpd. The raw materials utilized consist of 6 tons per year of new raw purchases and a few tons of scrap metal per year.

One composite sample was collected throughout the production day. The sample was taken from a vent outside the front of the building as shown on the enclosed sketch.

BURKHARD BROTHERS INC.
SAMPLING SITES

BURKHARD BROS.

● SEW *1
VENT

WAVEL STREET

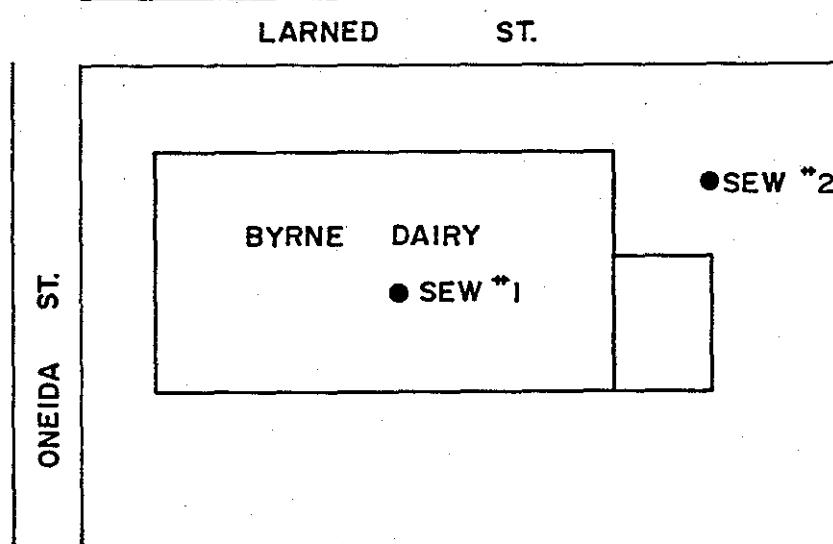
BYRNE DAIRY INC.
240 Oneida Street
Syracuse, N.Y. 13202

Byrne Dairy Inc. processes milk, orange juice and other dairy products in bottles and cartons. The manufacturing process includes bottle pre-rinsing, milk pasteurization and bottling. Fruit drink concentrates are also combined with water and bottled. The wastewater originates from the bottle rinsing process, equipment washing, truck washing and sanitary facilities.

The dairy is operated 5 days per week, 12 hours per day. A total of 50 people are employed for full time work. Over the past three years, (1970, 1971, 1972), the municipal water consumption has averaged 16,000,000 gallons per year or 64,000 gpd. The majority of the water consumed is utilized in the truck and equipment washing operations and sanitary facilities. The cooling water is connected on a closed recycling system. Approximately 6,000,000 gallons of milk is processed per year along with fruit juice concentrates.

One composite sample and one grab sample were collected at the plant. The composite was taken from a drain within the process building and the grab sample was taken from a drain behind the truck washing building. (See enclosed sketch for sampling locations).

**BYRNE DAIRY INC.
SAMPLING SITES**



CALDWELL AND WARD BRASS CO.
124 Burnet Avenue
Syracuse, N.Y. 13203

Caldwell and Ward Brass Co. is primarily a non-ferrous foundry operation where bronze and aluminum castings are produced. Molding sands are first shaped into casts and molten non-ferrous metals are poured into the casts. The metal castings are then cooled and processed into finished products. Wastewater originates from the sanitary facilities, cooling process and boiler feed and discharges into the municipal sewer line.

The foundry operates 5 days per week, 9 hours per day. A total of 36 persons are employed at the plant. Non-ferrous bronze and aluminum alloys are the principal raw materials used. Four types of molding sand is also used at approximately 10,000 lbs. per day. During 1971 and 1972 water usage averaged 905,800 gallons per year or 3,600 gpd. The municipal water consumed is utilized in the cooling process - 30%, boiler feed - 30%, processing - 20% and sanitary facilities - 20%.

A single composite sample was collected over the production day. The sample was taken from a manhole at the corner of Decker St. and Burnet Ave., located at the northwest end of the foundry.

CAMBRIDGE FILTER CORP.
7645 7th North St.
Liverpool, N.Y. 13201

Cambridge Filter Corp. manufactures a wide variety of air filtration equipment. Basically, the construction process involves the assembly of air filters and their casings. Other processes consist of cutting, punching, bending and welding sheet metal into shrouds for the air filters. The major sources of wastewater originate from the sanitary facilities and the cooling water used in the welders and air conditioners. Industrial wastewater, containing sodium hydroxide, also originates from a steam cleaner and is discharged into the sanitary sewer.

The plant is in operation 5 days per week, 8 hours per day. An average of 256 persons are employed for the first shift and 20 for the second shift. During the past three years an average 9,092,000 gallons of water was used per year averaging 71,700 gpd. Plant personnel indicated that water usage will be reduced in 1974 due to the installation of a recirculation system for the cooling water. The major raw materials used in production are steel and filter media. Approximately 2000 tons of air filtration equipment are produced each year.

One composite sample was collected during the production day along with one grab sample from a manhole outside the building as shown on the enclosed sketch.

CAMBRIDGE FILTER
SAMPLING SITES

FIELD

SEW "I"

CAMBRIDGE FILTER

7th NORTH STREET

CAMILLUS CUTLERY
Main Street
Camillus, N.Y.

Camillus Cutlery manufactures a wide variety of quality pocket, hunting and household knives. The major process includes blanking and strip metal forming, heat treating, grinding, polishing, assembly and packaging. Waste-water originates from sanitary facilities, cooling systems, rinse water and washing machines.

Camillus Cutlery is in operation 5 days per week, 8 hours per day. A total of 300 persons are employed at the plant. During the past three years, (1970, 1971, 1972), the water usage has averaged 8,383,300 gallons of water per year or 33,500 gpd. The raw materials utilized are steel and brass - 1,000,000 lbs./yr. and a quantity of plastics for knife handles.

One composite sample was taken during the production day. The sample was collected from an outflow pipe within a manhole located along Main Street/ (See enclosed sketch for location of sampling site)

**CAMILLUS CUTLERY
SAMPLING SITES**

**CAMILLUS
CUTLERY**

**CAMILLUS
CUTLERY**

9 MILE CREEK

SEW "I" MH

GENESEE ST.

CANADA DRY BOTTLING CO. OF SYRACUSE, N.Y. INC.
Moore Road
Mattydale, N.Y.

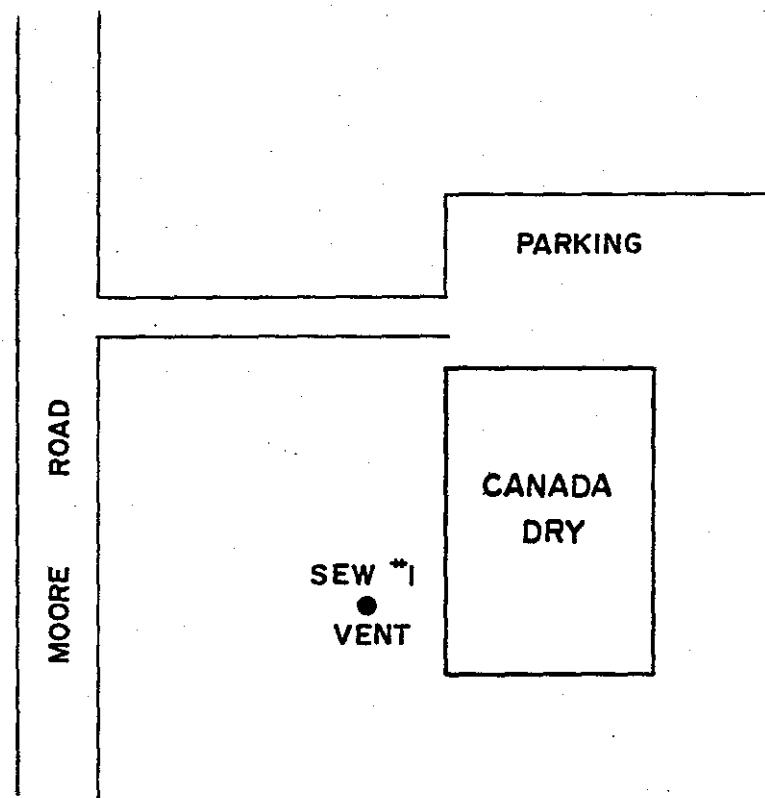
Canada Dry Bottling Co. of Syracuse, N.Y. Inc. bottles a wide variety of carbonated beverages. The basic process includes bottle pre-rinsing, combining concentrated syrup and carbonated water, bottle capping and packaging. No bottle pre-washing operations are performed on the non-returnable bottles. Wastewater originates from the bottle rinsing operations and the sanitary facilities.

Canada Dry operates 5 days per week, 8 hours per day. An average of 25 persons are employed at the plant. The raw materials used in the process are carbonated water and concentrated syrup of various flavors. An estimated 3,003,000 gallons of water is utilized per year, or 12,000 gpd. The majority of the water (80-90%), is processed as part of the product.

A single composite sample was collected during the production day from a nearby vent, as shown on the enclosed sketch.

The wastewater undergoes a chlorination pre-treatment process prior to discharging it into the sanitary sewers.

CANADA DRY BOTTLING OF SYRACUSE N.Y. INC.
SAMPLING SITES



CARLYLE COMPRESSOR COMPANY, DIV. OF CARRIER CORP.
Chrysler Drive
Syracuse, N.Y. 13201

Carlyle Compressor Co. produces a wide variety of air compressors. The basic manufacturing process includes cutting raw materials into parts, cleaning parts, brazing, assembling and painting. Wastewater originates from the sanitary facilities, cooling water discharge, process operation and boiler makeup.

The plant is in operation 5 days per week, 17 hours per day. The average employment is 375 persons for the first shift and 110 for the second shift. During 1971 the municipal water consumption averaged 21,183,000 gallons per year or 85,000 gpd.

The wastewater discharges directly into the sanitary sewers. As a result of the brazing operations, contaminants such as zinc, aluminum, nickel, chromium, lead and iron are found in the wastewater.

One composite sample was collected during the production day at the Carlyle facility. The sample was taken from a manhole shown on the enclosed sketch.

CARLYLE COMPRESSOR COMPANY
DIV. OF CARRIER CORPORATION
SAMPLING SITES

CARLYLE
COMPRESSOR
COMPANY

PARKING

SEW O

MH

CHRYSLER DRIVE

CARPENTER MFG. CO., INC.
Fairgrounds Drive
Manlius, New York 13201

Carpenter Mfg. Co., Inc. is basically a machine shop-type operation where wire stripping machines and accessories are produced. The manufacturing process includes parts cutting and grinding along with drilling and tapping dies. Waste-water originates from the sanitary facilities. A minimal amount of wastewater also originates from the wash and rinse-water used to clean etched castings.

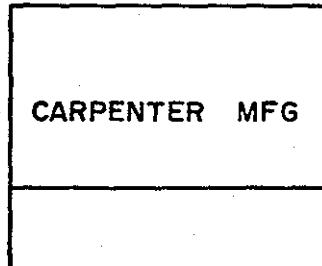
Carpenter Mfg. Co. operates 5 days per week, 8 hours per day. Approximately 20 persons are employed for full time labor. During 1971 and 1972, municipal water usage has averaged 71,000 gallons per year or 280 gpd. A variety of metals represent the major raw materials utilized in the fabrication process.

One grab sample was taken during the production day from a vent situated alongside the building, as shown on the enclosed sketch.

CARPENTER MFG. CO. INC.
SAMPLING SITES

FAIRGROUNDS DRIVE

● SEW "I"



NEW GARAGE

CARRIER AIR CONDITIONING COMPANY
Carrier Parkway
Syracuse, New York 13201

Carrier Air Conditioning Company produces a wide range of refrigeration and air conditioning equipment. The basic manufacturing processes producing the majority of the wastewater consist of metal surfaces degreasing, pickling, deoxidizing, phosphating, and brazing. Other processes consist of cutting raw materials into parts, spray painting, fabrication and assembling into the final products.

The plant is in operation 5 days per week, 24 hours per day. The average employment is 4,300 persons for the first shift, 1,100 for the second shift and 100 for the third shift. During 1970, 539,000,000 gpd of water was used or an average of 2.15 MGD.

A separate storm sewer system serves the Carrier complex in which the storm sewers discharge directly into a creek. Therefore, they were not sampled.

A total of six samples from the sanitary sewers were collected. Two samples were collected from each of the three discharge points. The sampling points are identified as manholes "A", "B", and "C" on the Carrier's main sanitary sewers, Thompson Road site drawing, dated 11/11/68. A copy of the drawing is available in the County's files. The analyses report identifies these samples as SEW #1 for manhole "A", SEW #2 for manhole "B" and SEW #3 for manhole "C".

CAST-O-MATIC, DIVISION OF ARWOOD CORP.
Wavel Street
Syracuse, New York 13206

Cast-O-Matic, Division of Arwood Corp. manufactures various alloys into die casting products. The basic process includes the melting of alloys and their injection into steel molds under high pressure. Other processes consist of simple machining, trimming and assembly of castings. Die castings then undergo inspection and are dispatched to various locations. The majority of the wastewater originates from sanitary facilities and processing. Cooling water is recirculated back into the system.

The plant is in operation 5 days per week, 24 hours per day. Occasionally, the work week is extended to include Saturday. An average of 66 persons are employed for the first shift, 36 for the second shift and only 2 for the third shift. During 1972, 18,608,000 gallons of water was utilized from a municipal source. Since then the recirculation system for the cooling water has been installed which reduces the water consumption by 1/3. The projected water usage is now 7,716,000 gallons per year or 30,900 gpd. The major raw materials utilized consist of aluminum and zinc alloys.

Two composite samples were taken from vents outside the building and designated sample SEW #1 and SEW #2 as shown on the enclosed sketch.

**CAST-O-MATIC
SAMPLING SITES**

COURT ST.

CAST-O-MATIC

SEW "1 • VENT

WAVEL ST.

CAST-O-MATIC

SEW "2 • VENT

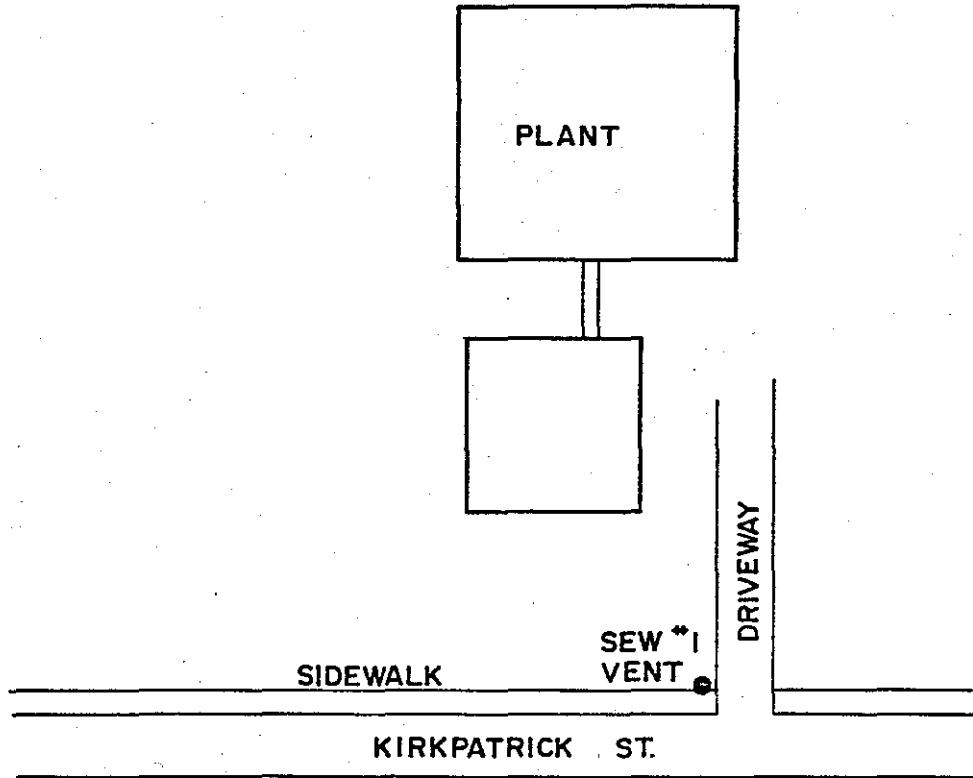
CATHEDRAL CANDLE CO.
510 Kirkpatrick St.
Syracuse, N.Y. 13208

Cathedral Candle Co. is solely involved in the production of church candles. The basic manufacturing process consists of mixing and melting the ingredients, pouring the molten liquid into molding machines and designing the cooled form into a finished candle. The majority of wastewater originates from the sanitary facilities and from the cooling water used to harden the wax in the molding machines. Another source of wastewater originates from the bleaching of beeswax. Excess bleach is discharged as the vats are being emptied. Approximately 10% of the water utilized by the plant is cooling water, while 40% is used for boiler feed, 20% for the sanitary facilities and another 20% for the bleaching process. A minimal amount of hot water is also utilized to soften candles and make them pliable for design.

The plant is operated 5 days per week, 9 hours per day. A total of 32 persons are employed by the company. Over the past three years the plant has used an average of 2,473,000 gallons of water per year averaging 7,900 gpd. The major raw materials utilized consist of beeswax, stearic acid and paraffin.

A single composite sample was collected over the production day. The sample was collected from a vent outside the building as shown on the accompanying sketch.

CATHEDRAL CANDLE CO.
SAMPLE SITES



CENTRAL PLATING COMPANY
931 BURNET AVENUE
SYRACUSE, NEW YORK 13203

Central Plating Company is engaged primarily in copper, nickel and chromium plating. Parts are first cleaned in mild acid bath and rinsed prior to plating. After plating, the parts are rinsed, drip dried, and then packaged for shipment. The industrial wastewater originates from the rinse tanks overflow. In addition, cleaning tanks, consisting of 4-300 gals. and 2-700 gals tanks, are dumped about every two weeks.

The plant is in operation 5 days per week, 9 hours per day. It utilizes an average of 4,100,000 gals. of water per year or 16,000 gpd. The major raw materials utilized consist of chromic acid, cyanide, nickel sulphate and nickel chloride. An average of 35 persons are employed with a peak employment of 40 persons.

A total of five samples were collected consisting of four grab and one composite sample. The grab samples were taken from tanks that are periodically dumped and consist as follows on the analyses report. SEW #1 from pre-clean soak tank, SEW #2 soak tank, SEW #3 reverse die cast cleaner tank and SEW #4 copper cleaner tank. The composite sample was taken inside the building after all of the wastewater had combined. Central Plating Co. has a permanently installed sampling pump which was utilized for the sampling. The sample was composited over the production day.

CHURCH AND DWIGHT CO., INC.
1416 Willis Avenue
Syracuse, New York 13201

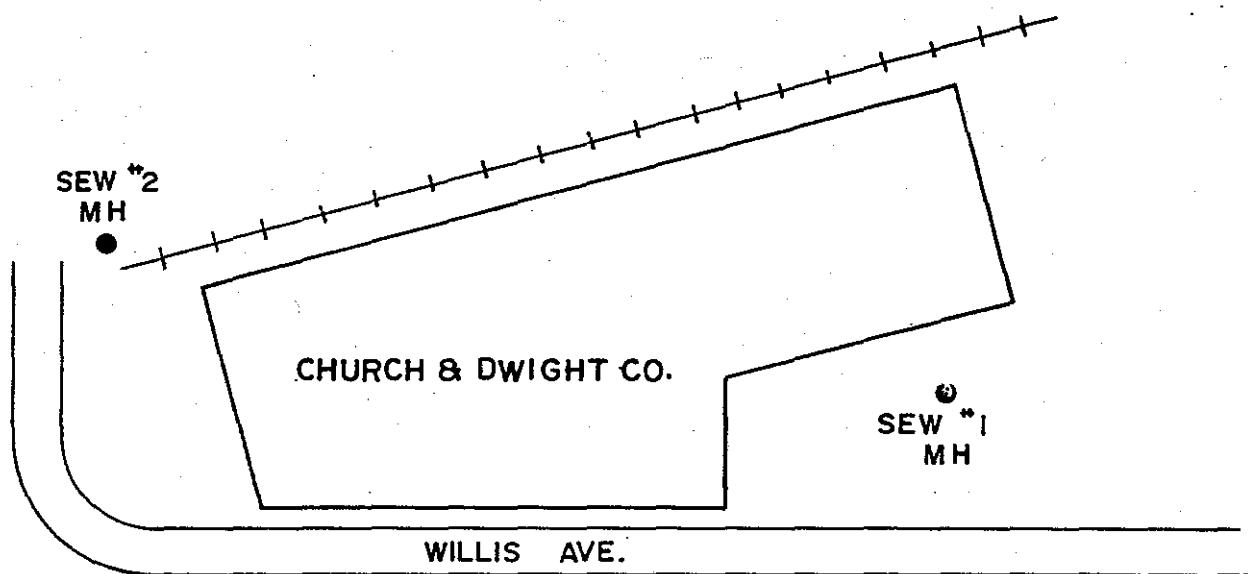
Church and Dwight Co., Inc. produces a large supply of Arm and Hammer products including bicarbonate of soda, monohydrate of soda, laundry detergent, washing soda and borax. The manufacturing process involves mixing the powder ingredients and packaging the final product. Waste-water originates from the cooling water, process waste and sanitary facilities. The cooling water discharges through the Allied Chemical storm sewer system and the sanitary facilities discharge into the sanitary sewer system. Process waste, originating from the manufacturing of soda ash products, is stored in railroad tank cars where it is transported and deposited into Allied Chemical waste ponds.

Church and Dwight Co., Inc. operates 5 days per week, 24 hours per day. An average of 92 persons are employed on the first shift, 28 persons on the second shift and 14 persons on the third shift. Approximately 10,125,000 gallons of municipal water is utilized per year or 40,500 gpd. The sanitary facilities use an estimated 35,000 gallons of municipal water per year while the cooling process consumes the remaining 10,090,000 gallons per year. The major raw material used in the manufacturing process is sodium carbonate.

A total of 5 composite samples and one grab sample were collected during various production days.

Four of the composite samples, along with the single grab sample, were taken from the same manhole. This manhole, designated SEW #1, contains the sanitary effluent discharge. The fifth composite sample was taken from a manhole (SEW #2) discharging cooling water to the storm sewers. The locations of SEW #1 and SEW #2 are shown on the accompanying sketch.

CHURCH & DWIGHT CO.
SAMPLING SITES



CLINTON'S DITCH COOPERATIVE CO., INC.
P.O. Box G, Pardee Road
Cicero, New York 13039

Clinton's Ditch Cooperative Co., Inc. bottles and cans soft drinks of various flavors. The basic process includes bottles and cans pre-washing, syrup and carbonated water addition, and then bottle capping and can sealing. All of the production is bottled or canned in non-returnable containers. The wastewater originates from washwater, production leaks, syrup make-up tank washwater and filter backwash.

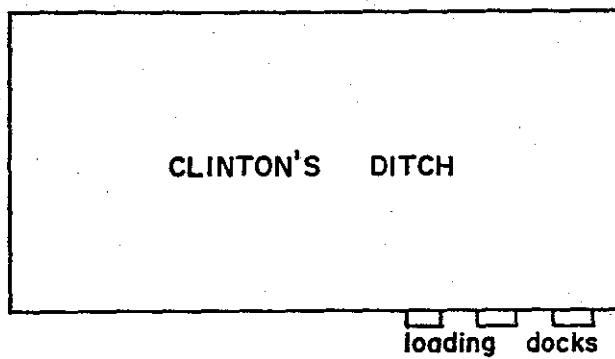
The plant is in operation 5 days per week, 18 hours per day producing an average of 39,300 cases of soft drinks per day. An average of 60 persons are employed with a peak employment of 70 persons. The raw material utilized consists of concentrated syrup and water. Water records were not obtained since the majority of the purchased water is utilized for product. Therefore, the amount water purchased would not be an indication of the volume of wastewater flow.

The water used in soft drinks is pre-treated prior to being used. The treatment consists of chlorination, chemical addition, filtration, and then de-chlorination prior to use.

One composite sample was collected over the production day. The sample was collected in manhole in the parking lot. A sketch of the sampling location is enclosed.

The wastewater is pre-treated with chlorine dioxide prior to discharging it to the sewers. The chlorine dioxide acts as a reducing agent to decrease the BOD of the wastewater.

**CLINTON'S DITCH COOPERATIVE
SAMPLING SITES**



loading docks

SEW *I • M H

81 81

CORENCO CORPORATION D/B/A SYRACUSE RENDERING CO.
2621 Erie Blvd. East
Syracuse, New York 13201

Corenco Corporation D/B/A Syracuse Rendering Co. primarily produces tallow and poultry feed meal from animal fat and bone. The rendering process involves cooking the animal scraps and packaging the finished product. Wastewater originates from the sanitary facilities and cooking process.

The plant operates 5 days per week at an average of 16 hours per day. Approximately 18 persons are employed on the first shift with 5 persons employed on the second and third shifts. An estimated 1,000,000 lbs. of animal fat and bone is processed each week. The raw materials are obtained from a variety of sources, however, the majority of the fat and bone is acquired from restaurant wastes. During 1972 the calculated municipal water consumption was 5.5 million gallons per year or 22,000 gpd.

Two composite samples were taken during consecutive production days. The samples were taken from a weir channel set up in the basement.

As a form of wastewater treatment the plant discharges the wastewater through a flotation system.

CROWLEY FOODS, INC.
215 Tully Street
Syracuse, N.Y.

Crowley Foods, Inc. processes and bottles milk, skim milk, chocolate milk and heavy cream. The primary process includes bottle pre-washing, pasteurization of milk, milk bottling and shipping. Wastewater originates from the sanitary facilities, cooling process and equipment washing and rinsing operations.

Crowley Foods bottles milk 5 days per week, 24 hours per day. An average of 17 persons are employed on the first shift, 6 persons on the second shift and 5 persons on the third shift. During the past two years, 1971 and 1972, municipal water consumption has averaged 273,020 gallons per year or 1,092 gpd. The plant also obtains a quantity of water from their own deep wells source. The majority of the incoming water is utilized in the cooling process - 81,760 gallons per year, and the equipment washdown - 126,510 gallons per year. Municipal water is also used for sanitary facilities and boiler feed. Milk is the largest raw material used at the plant which processes 24,000 gallons per day.

A total of two composite samples and one grab sample were taken during the production day. The grab sample was obtained from a drain that discharges the truck wash wastewater in a separate building. The two composite samples were collected from a vent near the main process building, as shown on the enclosed sketch.

CROWLEY FOODS INC.
SAMPLING SITES

WYOMING ST.

● SEW *2 DRAIN
GARAGE

TULLY ST.

● SEW *1 MH

CROWLEY
FOODS

WEST ST.

CROUSE HINDS CO.
Wolf and 7th North Sts.
Syracuse, New York 13201

Crouse Hinds Co. manufactures electrical fittings, traffic signals and illuminating fixtures at the 7th North St. plant.

The manufacturing process involves molding casting cores, metal melting and casting, grinding, chipping, cleaning, machining, heat treating, plating, painting and assembling.

Approximately 18,000 tons of finished castings and electrical assemblies are produced each year from this facility. The majority of wastewater originates from the sanitary facilities, plating operations, cooling and cleaning process and air pollution control equipment.

The 7th North St. plant operates 5 days per week, 24 hours per day and employs 1900 people on 3 working shifts. An average of 30,000 tons of pig iron, coke, sand, limestone, aluminum ingots, paint, steel bars, plating chemicals and plastic molding compounds are utilized each year as raw materials. The municipal water usage during 1971 and 1972 averages 113,700,000 gallons per year or 450,000 gpd.

Two composite samples were taken on alternate days from a single manhole. The manhole is located near the northwest corner of the Crouse Hinds property along 7th North Street.

CROUSE HINDS CO.
Woodward Industrial Park
Liverpool, New York 13088

Crouse Hinds Co manufactures traffic signals, lighting products and provides experimental research and development at the Industrial Park facility. Approximately 3,000 tons of finished lighting fixtures and traffic control assemblies are produced each year at this plant. A description of the manufacturing process includes parts assembly, cleaning, painting and packaging. The majority of wastewater originates from the sanitary facilities, cooling and cleaning processes and boiler blow down.

The plant operates 5 days per week, 24 hours per day. An average of 300 persons are employed on the first shift, 25 persons on the second shift and only 5 persons on the third shift. The municipal water usage during 1971 and 1972 averages 9,800,000 gallons per year or 40,000 gpd. Approximately 3,800 tons of manufactured parts, cardboard boxes, wire and paints are utilized each year as raw materials.

One composite sample was collected during the production day from a manhole in a nearby field. (see enclosed sketch).

Batch treatment of concentrated chromate wastes is performed annually prior to discharging into the sanitary sewers.

CROUSE HINDS CO.
SAMPLING SITES

CROUSE
HINDS
CO.

PARKING

SEW #1
MH

MORGAN ROAD

DAIRYLEA COOPERATIVE INC.
810 Burnet Ave.
Syracuse, New York 13203

Dairylea Cooperative Inc. processes milk and other dairy related products. The major processes involved in this operation include milk pasteurization, bottle washing, and packaging. Wastewater originates from the milk processing operation, cooling water, equipment washing and sanitary facilities.

Dairylea operates 5 days per week, 24 hours per day. An average employment figure for the first shift is said to be 15 people, while the second and third shifts have 16 and 7 people employed respectively. The main raw material, milk, is processed at a rate of 250,000 lbs. of milk per day. Water usage records indicate that this plant uses approximately .27 million gallons of water per day. Dairylea also operates a lab facility located on 400 Park Street in Syracuse. The lab facility uses water at a rate of 8,400 gallons of water per day.

Sampling procedures for this industry included a 24 hour composite sample taken at the Burnet Avenue plant and grab samples were taken at the laboratory facility. The composite sample was taken from a manhole located in front of the plant ~~on Burnet Ave.~~ While the grab samples were taken from vents located in front of the buildings on Park Street.

DEWITT PACKING CORPORATION
Jamesville Avenue
Syracuse, N.Y.

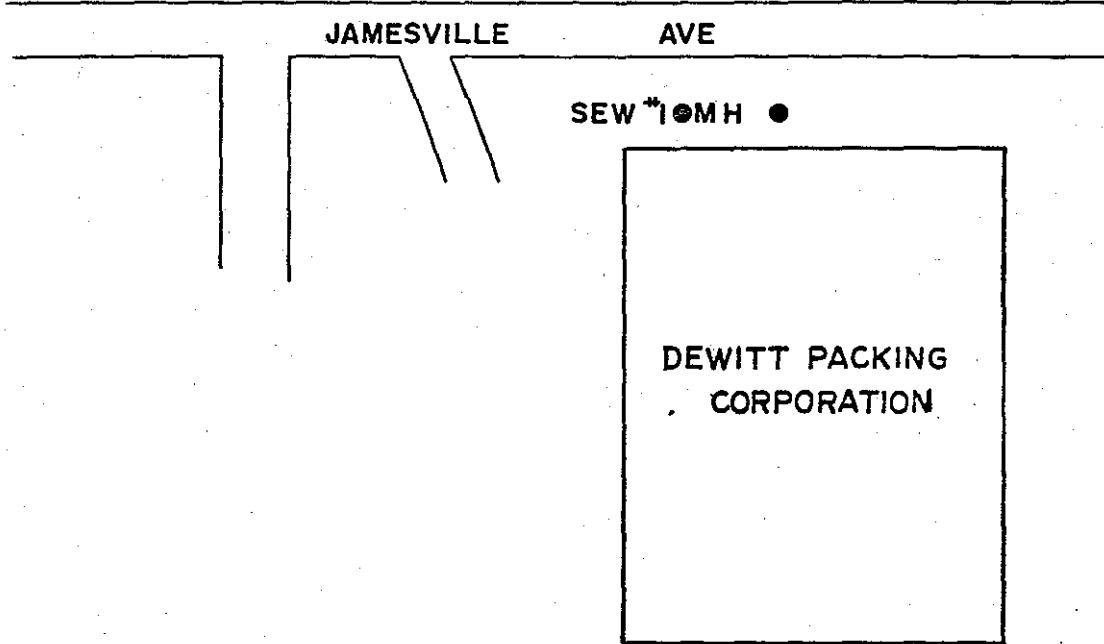
Dewitt Packing Corporation is primarily a cattle slaughterhouse and meat packing industry. A variety of beef cattle are slaughtered at the plant and processed meat is packaged and shipped to distribution centers. The wastewater originates from the washing operations and sanitary facilities. Washing operations include the removal of beef blood and particles through floor drains.

The plant operates 5 days per week, 8 hours per day. An average of 30 persons are employed at the plant. Water usage per year totals approximately 20,750,000 gallons or 83,000 gpd. Between 250 and 500 head of beef are processed per week and represents the major raw materials utilized.

One composite sample was collected during the production day from a manhole outside the building. (see enclosed sketch).

Dewitt Packing provides a degree of wastewater treatment by discharging the wastewater through a septic tank and out into a municipal sewer line. The septic tank settles and removes some of the solid matter discharged with the wastewater.

**DEWITT PACKING CORPORATION
SAMPLING SITES**



DIEBOLD INC., LAMSON DIVISION
Lamson Street
Syracuse, New York 13206

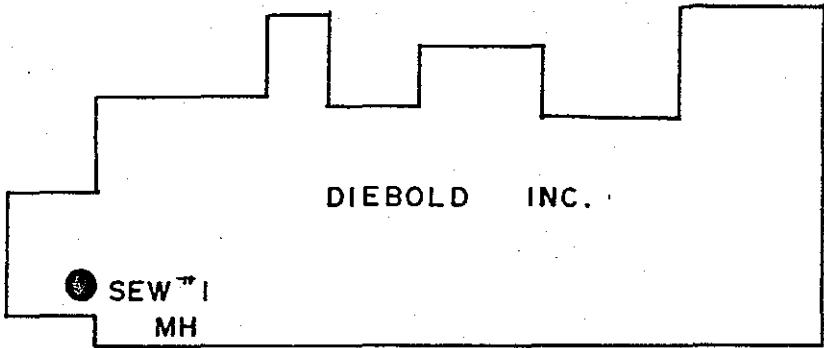
Diebold Inc., Lamson Division, fabricates various metal parts into air tube systems, blowers and other material handling systems. The manufacturing processes include shearing, stamping, grinding, forming and painting. The majority of the wastewater originates from sanitary facilities. There is also cooling water being discharged to the sanitary sewer but this is minimal.

The plant is in operation 5 days per week, 8 hours per day. An average of 15,200,000 gals of water per year has been used over the past three years (1970, 1971, and 1972) or an average of 60,000 gpd. The major raw materials utilized consist of cast and sheet metals. An average of 400 persons are employed on the first shift with only 12 on the second shift.

One composite sample was collected over the production day. The sample was collected in the manhole outside the building as shown on the enclosed sketch.

DIEBOLD INC. LAMSON DIV.

SAMPLING SITES



LAMSON ST.

TYSON PLACE

DIEFENDORF GEAR CORP.
920 West Belden Ave.
Syracuse, New York 13201

Diefendorf Gear Corp. manufactures a variety of gears and special gear parts. The manufacturing process is similar to a machine shop-type of operation where metals are cut, ground, turned and finished into gears and related gear parts. Wastewater originates entirely from the sanitary facilities.

Diefendorf Gear Corp. employs 34 persons and operates 5 days per week, 8 hours per day. Approximately 231,000 gallons of municipal water is utilized per year or 900 gpd.

Wastewater samples were not taken from the Diefendorf Gear Corp. primarily because of the dry manufacturing process and small amount of municipal water utilized.

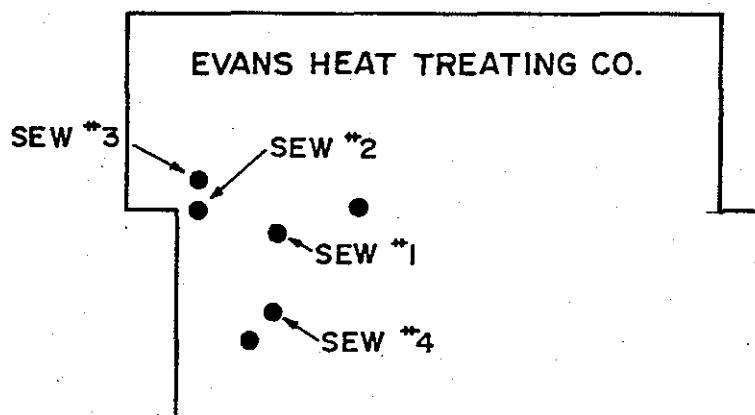
EVANS HEAT TREATING CO., INC.
526 State Fair Blvd.
Syracuse, N.Y. 13204

Evans Heat Treating Co., Inc., formerly Nichols Bros. Heat Treating Co. Inc. provides heat treating services for specific customers. The primary heat treating process involves tempering and heating various metals in furnaces to achieve strengthening properties. Metal parts are also cooled and washed in water to remove excess metal particles. The wastewater originates from the sanitary facilities, parts washing operation, washing machine and cooling water discharge.

Evans Heat Treating Co., Inc. operates 5 days per week, 17 hours per day. A total of 6 persons are employed during two shifts. During the past three years the municipal water usage has averaged 2,724,000 gallons per year or 11,000 gpd. The majority of the water, approximately 2,251,000 gallons, is used in cooling the furnaces and metals. The remaining 473,000 gallons of municipal water is utilized in the sanitary facilities and metal washing operations.

A total of 3 composite samples and one grab sample were collected during the production day from within the building. The grab sample was taken from a vent containing sanitary effluent and labeled, SEW #1. The composite samples were taken from appropriately labeled vents containing the following - SEW #2 - water dip tank and washing machine discharge, SEW #3 - cooling water and SEW #4 - cooling water. (see enclosed sketch for sampling locations)

EVANS HEAT TREATING CO.
SAMPLING SITES



STATE FAIR BLVD.

FALSO AIR-TROL CORP.
Butternut Drive
East Syracuse, New York 13057

Falso Air-Trol Corp. manufactures furnace pipes and fittings from galvanized iron sheets. The manufacturing process is basically a dry operation consisting of forming, molding, riveting and welding galvanized iron sheets into finished products. Wastewater from the sanitary facilities discharges into a septic tank while the spot welder cooling waters are emptied onto the ground.

Falso Air-Trol Corp. operates 5 days per week, 8 hours per day and employs 6 persons with a peak employment of 9 persons. The municipal water use records indicate that during the past two years, (1971 and 1972), an average of 36,000 gallons of water is utilized per year or 140 gpd.

Wastewater samples were not collected from the Falso Air-Trol Corp. due to the dry production process.

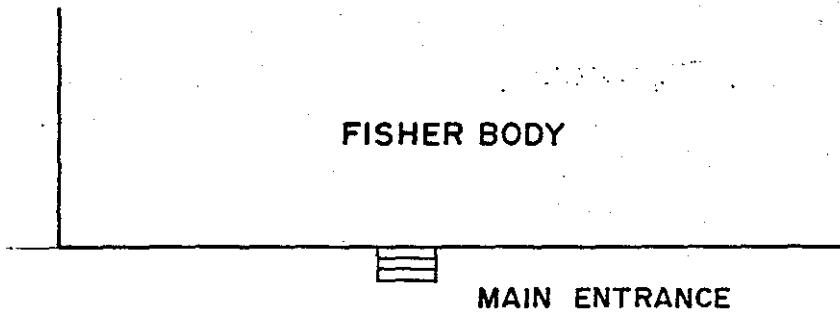
FISHER BODY DIVISION - GENERAL MOTORS CORP.
1000 Town Line Road
Syracuse, New York 13201

Fisher Body Division-General Motors Corp. primarily manufactures plastic products utilized for car manufacture. The basic manufacturing process involves injection molding of plastic parts. The major source of wastewater originates from the sanitary facilities and cooling process.

The plant is in operation 6 days per week, 24 hours per day. An average of 600 persons are employed on the first shift, 400 persons on the second shift and 300 persons on the third shift. The raw materials utilized are mainly plastics. An average of 55,000,000 gallons of water is utilized each year, averaging 220,000 gpd.

Two composite samples were collected during the production day. The samples were taken from a manhole near the front of the building as shown on the enclosed sketch.

FISHER BODY DIVISION GEN. MOTORS CORP
SAMPLING SITES



● ADD LICI

● SEW "I"

FRAZER & JONES
Division of Eastern Co.
P.O. Box 1155
Syracuse, N.Y. 13201
Plant: 3000 Milton Ave.,
Solvay

The Frazer & Jones Company is basically a foundry operation. This plant is involved in malleable iron castings, hot dip galvanizing, machining and impregnating. The majority of the work is dedicated to production of metal castings from sand molds. Approximately 5,000 tons of finished iron castings are produced each year.

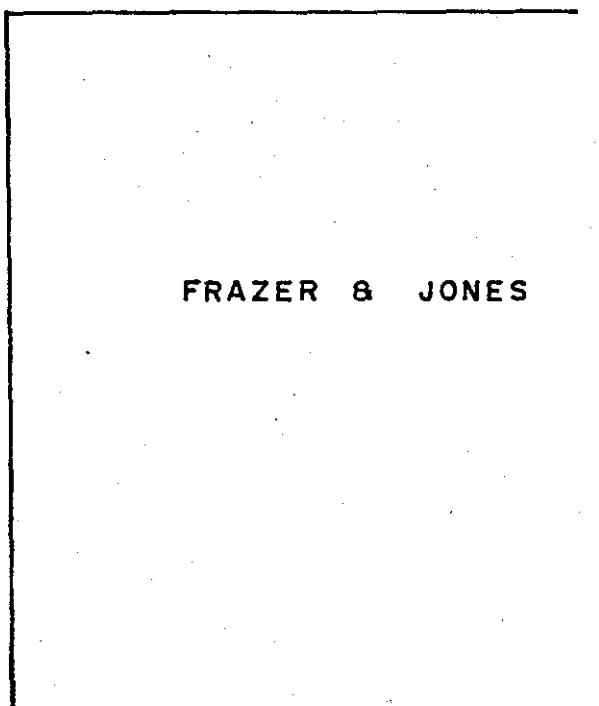
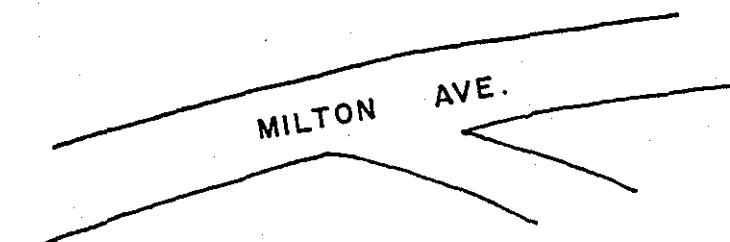
Sources of wastewater originate from cooling operations, process water (rinsing operations), boiler operation, and sanitary facilities. It should be noted that the water discharging from the cooling processes do not go to the sanitary sewer but discharges to a nearby stream.

The plant operates three shifts, 5 days a week. A normal shift is about 8-1/2 hours long. The first shift has 147 men working, the second shift has 43 employees, while the third shift has a very minimum crew of 3 people. Water usage records indicate that this plant uses water at a rate of 72,000 gpd. It has been estimated that this plant discharges wastewater through the sanitary line at a rate of .017 mgd. The primary raw material utilized is 5,000 tons of iron per year.

A composite sample was taken representing the discharge during the plant's normal production day, that is a 24 hour

period. This composite sample was drawn from an outfall located in the back of the grounds on the Eastern side of the plant.

FRAZER & JONES
DIVISION OF THE EASTERN CO.
SAMPLING SITES



SEW #1
MH

G. A. BRAUN, INC.
461 East Brighton Ave.
Syracuse, N.Y. 13205

G.A. Braun, Inc. fabricates washer extractors and fluffers for commercial laundry and dry cleaning operations. The manufacturing process involves shearing, stamping, grinding and forming various metal parts. The parts are then assembled into washer extractors and tested for production flaws that could possibly cause leaks. Wastewater originates from the sanitary facilities and machine testing operations. Normally, three 400 lb. washers are tested during the week. Each machine is tested with a 250 gallon holding capacity. During the testing process waste oil and metal chips are washed from the machines and discharged with the testing water and sanitary water into the sanitary sewer system.

The plant operates 5-1/2 days per week, 9-1/2 hours per day. An average of 65 people are employed full time. The municipal water consumption during 1973 is 409,900 gallons per year or 1,640 gpd. This yearly figure is double the 1972 yearly water usage. Approximately 80% of the municipal water is used in the sanitary facilities while the remaining 20% is used in the testing process. The major raw material fabricated is sheet steel.

One grab sample was taken during the production day. The sample was taken from the testing water used in the commercial washer extractors within the building.

G. C. HANFORD MFG. CO.
304 Oneida Street
Syracuse, N.Y.

G.C. Hanford Mfg. Co. produces an assortment of veterinary medicines. The basic process involves the combining and packaging of veterinary medicines. The process is primarily a dry operation with wastewater originating from the sanitary facilities and hydraulic elevator. The hydraulic elevator discharges into a separate sewer line.

The plant is in operation 5 days per week, 8 hours per day. A total of 30 persons are employed full time. During 1972, the municipal water usage for the sanitary facilities averaged 160,000 gallons or 640 gpd and water usage for the hydraulic elevator averaged 403,200 gallons or 1,600 gpd. Municipal water is also utilized in the cooling process and hot water heating operation, however this amount is negligible. Peanut oils and phenols represent the major raw materials used in the process.

Two composite samples and two grab samples were collected during separate production days. The first grab sample and first composite sample were taken on different days from a vent labeled, SEW #1. The second grab sample and second composite sample were also taken on different days from a vent labeled, SEW #2. The sampling locations are shown on the enclosed sketch.

G. C. HANFORD MFG. CO.
SAMPLING SITES

G. C. HANFORD

SEW #1
VENT

SEW #2
VENT

ONEIDA ST.

LARNED ST.

GENERAL ELECTRIC COMPANY
Box 1122 (Court Street)
Syracuse, New York

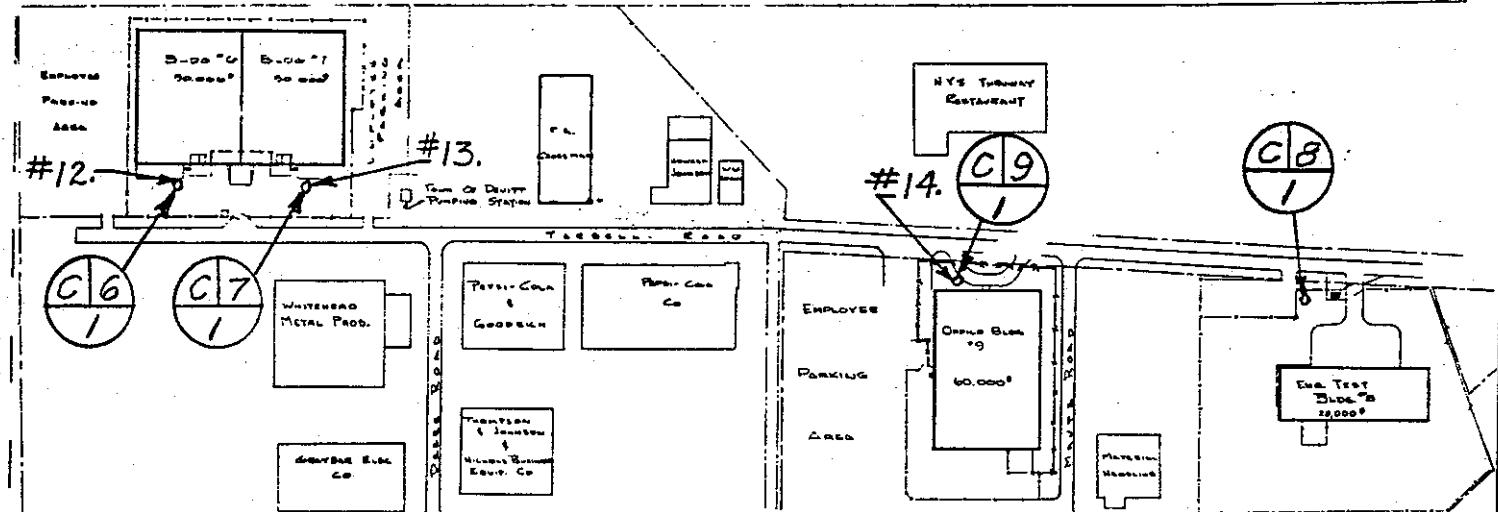
General Electric Co. produces major military electronic systems at the Court Street installation. The majority of wastewater originates from the aluminum and steel cleaning process; chromium, copper, nickel and tin plating process, brazing operations and cooling water discharge. Wastewater also originates from the sanitary facilities. Due to the restrictive nature of government work at the Court Street facility, much of the information regarding manufacturing process and amount of finished products per year is considered highly confidential and unavailable.

The Court St. facility operates 5 days per week, 24 hours per day. Approximately 2,320 persons are employed upon a regular basis. The average municipal water usage during 1971 and 1972 is approximately 108,000,000 gallons per year or 432,000 gpd.

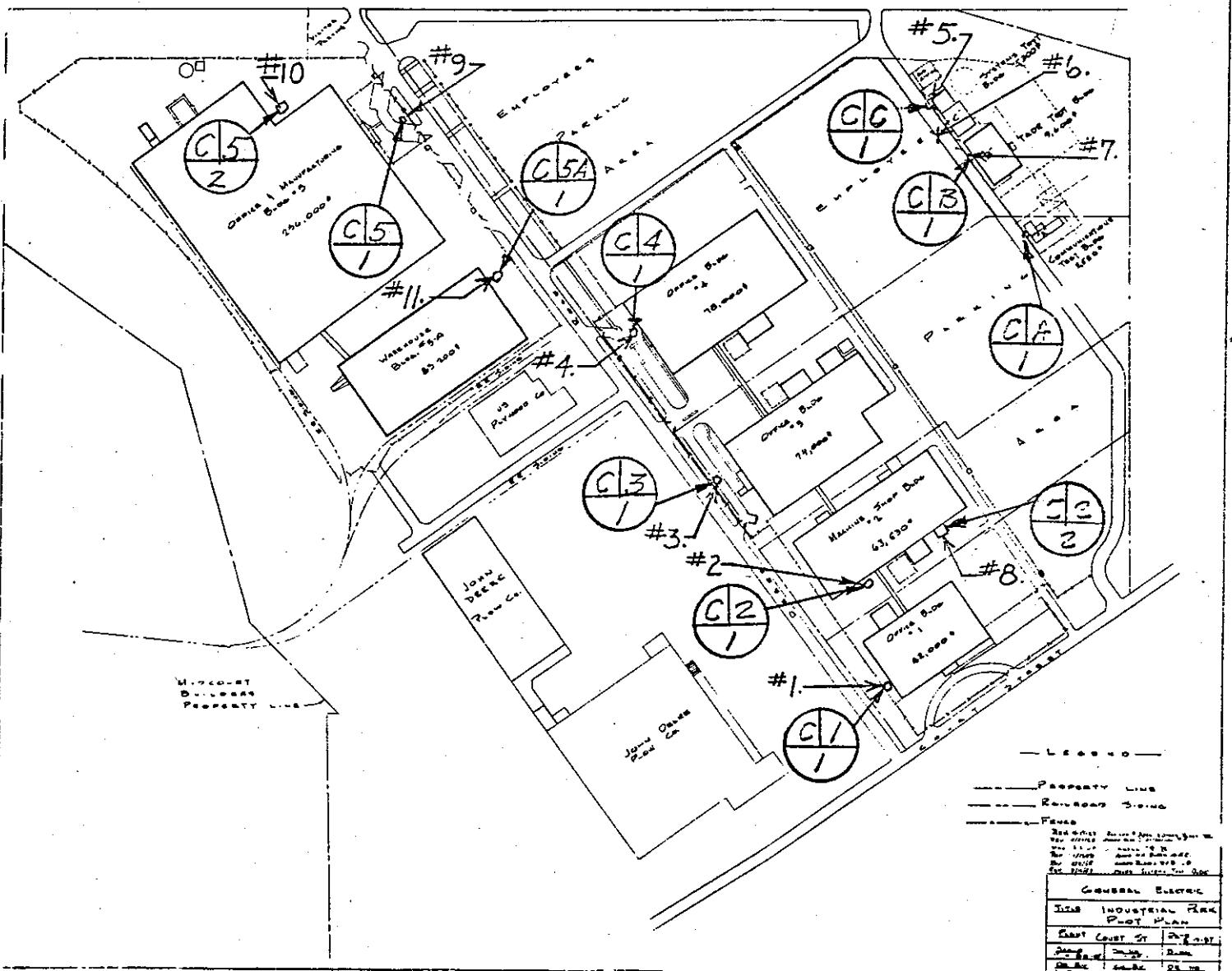
Altogether a total of 21 grab samples and 7 composite samples were collected from 14 different sampling locations at the Court St. plant. The grab samples were collected at sampling sites labelled SEW #1, SEW #2, SEW #3, SEW #4, SEW #5, SEW #6, SEW #7, SEW #11, SEW #12, SEW #13 and SEW #14. The composite samples were collected from sites labelled SEW #4, SEW #8, SEW #9 and SEW #10. The sampling locations are shown on the enclosed General Electric Industrial Park Plot Plan for the Court Street plant.

CYUKI DIKEELI PLAN

— N Y S. — T H E O D O R E —



N.Y.S. MATERIAL ROAD



GENERAL ELECTRIC CO.
Box 1122 (Electronics Park)
Syracuse, New York 13201

General Electric Co. manufactures color television tubes, broadcasting equipment and semiconductor devices at the Electronics Park facility. The majority of manufacturing procedures are dry operations, however, the processes of cleaning and preparing parts, etching, plating, rinsing and painting all generate a form of wastewater which discharges into the Ley Creek Sanitary sewage system. The amount of finished products manufactured per year is regarded as confidential information and kept on file with the county.

The Electronics Park facility is operated 5 days per week, 24 hours per day. The average employment is 2,810 persons for the first shift, 580 for the second shift and 300 for the third shift. An estimated 491,200,000 gallons of municipal water is utilized per year of 1,965,000 gpd.

A total of 3 composite samples and two grab samples were collected from a manhole labelled SEW #1. The sampling locations are shown on the General Electric Electronics Park Plot Plan which is kept on file with the county.

GENERAL ELECTRIC CO.
Box 1122, Farrell Rd.
Syracuse, New York

The General Electric Co. manufactures heavy military electronic systems for the Defense Department at the Farrell Rd. installation. Due primarily to security measures, much of the information involving the amount of finished products, type and amount of raw materials and manufacturing procedures was not made available.

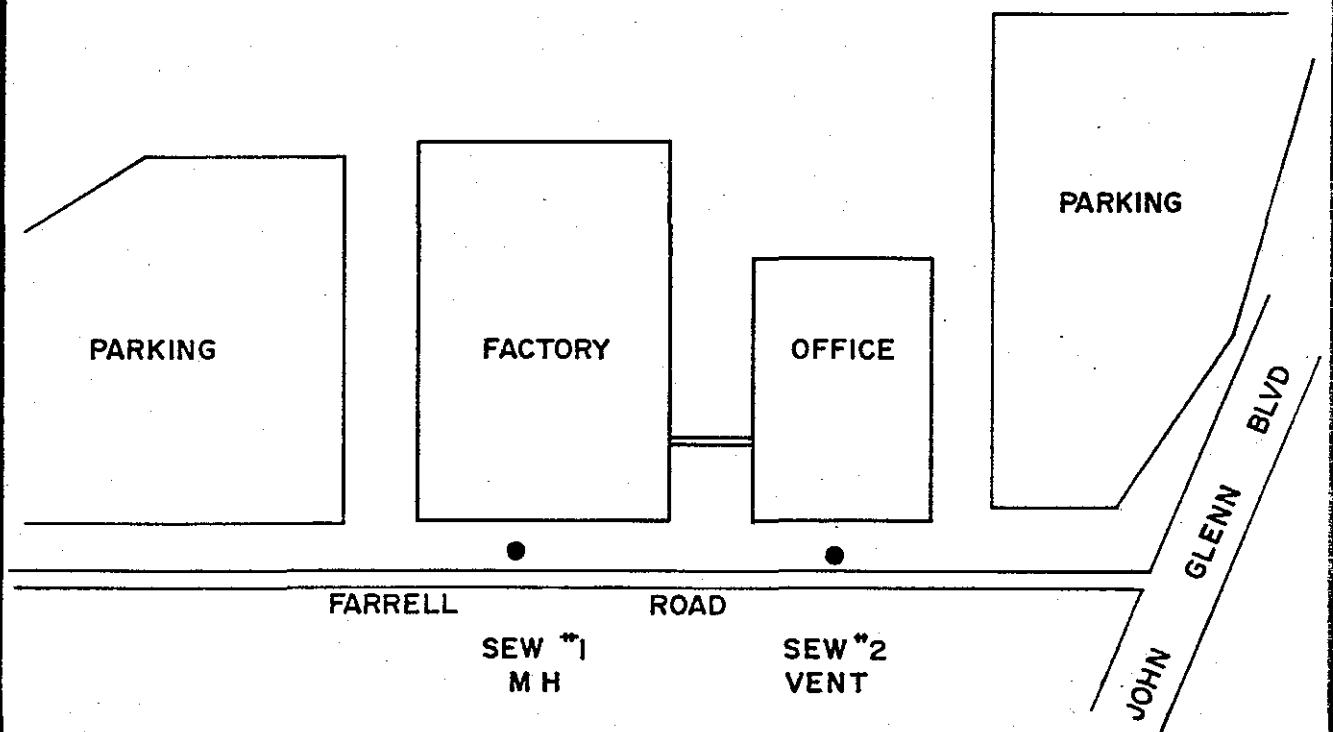
The major source of industrial wastewater, originating from the plating operations, discharges to the municipal sewers at two different locations. The discharge points are marked as SEW #1 and SEW #2 on the attached General Electric Company reduced plot plan. The majority of wastewater discharges through SEW #1 while the discharge through SEW #2 contains mainly sanitary wastewater.

The Farrell Road plant is in operation 5 to 6 days per week, 24 hours per day. The municipal water consumption during 1972 averages 165,000 gallons per day. Approximately 13% of the municipal water is utilized in building #1 with the resultant wastewater discharged through SEW #2. The remainder of the water is utilized in building #2 which discharges wastewater through SEW #1. An average of 1300 persons are employed on the first shift and 60 persons on the second shift.

A total of 4 composite samples were collected from SEW #1 and

SEW #2. Two samples were taken from each manhole at the
Farrell Road plant. The manhole locations are shown on
the enclosed General Electric Co. reduced plot plan.

GENERAL ELECTRIC CO.
SAMPLING SITES



GENERAL PRESSED METAL CO.
Box 493, 440 N. Franklin St.
Syracuse, New York 13201

General Pressed Metal Co. manufactures metal stampings and metal stamping tools. The process involves stamping, grinding and assembling of metal parts. Wastewater originates from the sanitary facilities and cooling process. The majority of cooling water is recycled, however, some coolant waters are discharged after a periodic tub washing.

The plant is in operation 5 days per week, 8 hours per day. An average of 6 persons are employed full time and 5 persons are employed part time.

General Pressed Metal Co. is one of four facilities within a building complex. The remaining three facilities in the complex are: Kimber Auto Parts, Pat's Brake Shop and O.D. Blanchard Plastic Sheeting. Wastewater samples were not taken because of the relatively dry operation of the plant.

GLADDING-RANGER, INC.
1224 W. Genesee St.
Syracuse, New York 13201

Gladding-Ranger, Inc. is primarily involved in assembling various synthetic materials into sleeping bags and bowling bags. An estimated 500-600 sleeping bags, along with 1,000-2,000 bowling bags are produced in a single day. The major manufacturing process includes the sewing and stitching of raw materials into finished products. The primary source of wastewater stems from the sanitary facilities. A minimal amount of water is utilized in the form of a fine spray for processing.

The plant functions 5 days per week, 8 hours per day. An average of 152,600 gallons of water is used per year averaging 600 gpd. Flannel, dacron, polyester and acrylic are the major raw materials used in manufacturing the finished products. On the average, 45 persons are employed for the first shift and 40 for the second shift.

Altogether, two grab samples were obtained from the sanitary vents located outside the front of the building near West Genesee Street. The sampling sites are designated SEW #1, and SEW #2.

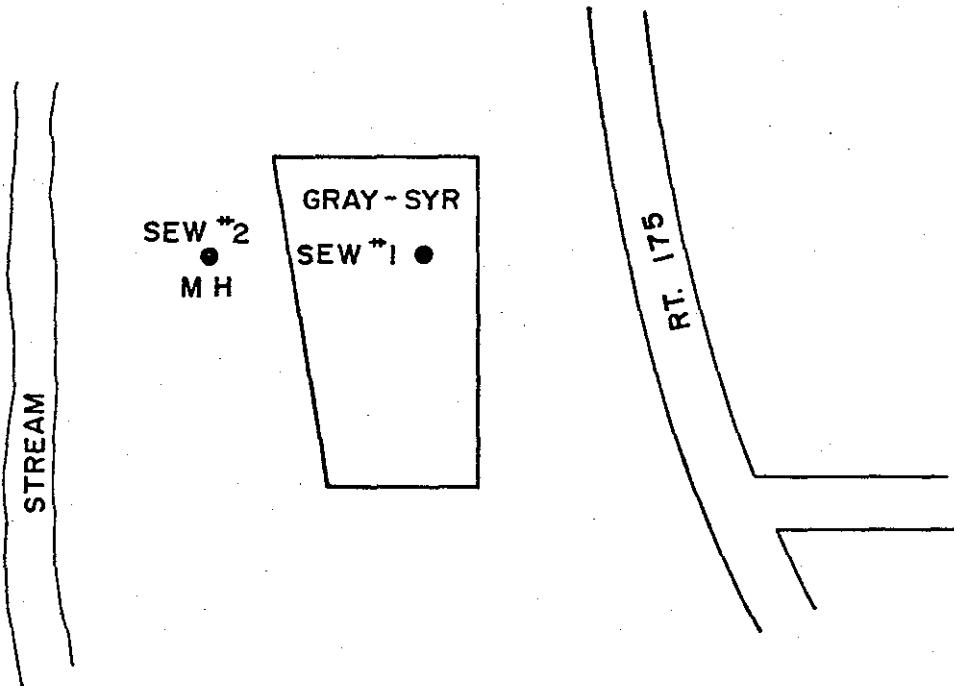
GRAY-SYRACUSE, INC.
116 W. Seneca St.
Manlius, N.Y.

Gray-Syracuse Inc. manufactures a wide range of investment castings. Basically, the process is similar to a foundry-type operation where casts are constructed and molten metals are poured into the casts to be cooled with water. The majority of the wastewater originates from the cooling water and sanitary facilities and discharges through two separate sewers.

Gray-Syracuse is in operation 6 days per week, 24 hours per day. A total of 170 persons are employed at the plant in 3 working shifts. During 1971 and 1972 an average of 22,620,000 gallons of water was utilized per year or 83,300 gpd. The majority of the water consumed, (90%+), is used in the cooling process. The majority of raw materials used per year are: calame - 100 tons, mullite - 100 tons, zircon sands - 120 tons, wax - 75 tons, ceramics - 85 tons, ethyl silicate - 105,000 lbs., celloidal silica - 550,000 lbs. and metal castings - 125 tons.

Two composite samples were collected during the production day. Composite #1 was taken from a pipe within the building, while composite #2 was obtained from a manhole near a stream. A sketch of the sampling locations is enclosed.

GRAY - SYRACUSE INC.
SAMPLING SITES



GREENHOUSE BROTHERS INC.
Burnet Ave. & Clark St.
East Syracuse, New York 13057

Greenhouse Brothers Inc. is primarily a cattle slaughterhouse and meat processing industry. Approximately 5,100,000 lbs. of beef is processed annually from 3,000 head of calves and 2,800 head of cattle. An average of 1,900,000 lbs. of dressed pork is also processed on a yearly basis. Typical meat processing operations involve; slaughtering, boning, cleaning, smoking and sausage manufacturing. The majority of wastewater originates from the cooling, cleaning and sanitary discharges.

Greenhouse Brothers operates 5 days per week, 9 hours per day. A total of 60 people are employed at the plant. An estimated 8,750,000 gallons of water is utilized each year, or 35,000 gpd.

The sampling procedures for Greenhouse Brothers Inc. consisted of two composite samples collected on consecutive days from a single vent in the basement of the building. This vent was located on the main discharge pipe running along the basement wall.

**GREENHOUSE BROS. INC.
SAMPLING SITES**

CLARK ST.

BURNET AVE.

**GREENHOUSE
BROS.
INC.**

**SEW⁴I
VENT**

HOFFMAN AIR AND FILTRATION
Division of Clarkson Industries Inc.
Box 214 Eastwood Station
Syracuse, New York 13206

Hoffman Air and Filtration, Division of Clarkson Industries Inc. manufactures centrifugal blowers and air filtration equipment. The major manufacturing process includes fabricating, welding and assembling of metal parts into finished products. The single source of wastewater originates from the sanitary facilities. A minimal supply of water is utilized in the hydrostatic testing of final products.

The plant is in operation 5 days per week, 8 hours per day. A total of 114 persons are employed by the plant. An average 2,413,000 gallons of water is utilized by the plant each year, averaging 9,700 gpd. The primary raw material used in the manufacturing process is steel.

A single composite sample as well as one grab sample were collected over the production day. The composite was taken from a vent outside the building near the loading dock and the grab sample was obtained from the storm sewer as shown in the accompanying diagram.

**HOFFMAN AIR & FILTRATION
DIVISION OF CLARKSON INDUSTRIES
SAMPLING SITES**

THOMPSON ROAD

**HOFFMAN
AIR & FILTRATION**

**SEW⁺ I
VENT**

PARKING

● SEW⁺ O
DRAIN (STORM SEWER)

HOFMANN SAUSAGE CO., INC.
6196 Eastern Ave.
Syracuse, N.Y. 13211

Hofmann Sausage Co., Inc. manufactures a variety of sausage, bologna and frankfurters. The production procedures involve grinding meat, adding spices, pre-cooking meat and preparing the meat for packaging. Wastewater originates from the sanitary facilities, cooking water, boiler makeup and cleaning and washing operations.

The plant is operated 5 days per week, 12 hours per day. A total of 30 persons are employed with a peak employment of 33. During 1972 the municipal water consumption averaged 1,895,000 gallons per year or 7,600 gpd. A wide assortment of meats and spices represent the major raw materials processed.

One composite sample was taken during the production day from a manhole located in the front parking lot, as shown on the enclosed sketch.

The wastewater passes through a grease trap before it is discharged. The grease trap is periodically cleaned and serves to filter out heavy, greasy particles from the wastewater.

HOFMANN SAUSAGE CO. INC.
SAMPLING SITES

HOFMANN SAUSAGE

PARKING • SEW "I"
VENT

EASTERN AVE

THOMPSON ROAD

INDUSTRIAL FABRICATING CORP.
4 Collamer Circle
East Syracuse, N.Y. 13057

Industrial Fabricating Corp. is involved in light structural steel fabrication and job production weldments. The manufacturing process includes cutting, grinding, shaping, stamping, welding and finishing metal products. Waste-water originates from the cooling compressor water and sanitary facilities.

The plant operates 5-1/2 days per week, 9 hours per day. A total of 35 persons are employed full time. During 1970, 1971 and 1972 the municipal water usage has averaged 431,000 gallons per year or 1,700 gpd. Approximately 700 gpd of municipal water is used in the sanitary facilities, while the remaining 1,000 gpd is utilized in the compressor cooling system. The major raw materials fabricated are sheet steel and plate steel.

One composite sample and one grab sample were collected during separate production days. Both samples were taken from the same vent near the main entrance to the building, as shown on the enclosed sketch.

**INDUSTRIAL FABRICATING CORP
SAMPLING SITES**

**INDUSTRIAL
FABRICATING
CORP**

**SEW *I
VENT**

COLLAMER

CIRCLE

INSTANT WHIP CO., INC.
3721 New Court Road
Syracuse, New York 13206

Instant Whip Co., Inc. produces a variety of aerosol whipped toppings, cream, coffee whitener, sour cream and blue cheese dressings. The manufacturing process includes mixing whipped topping ingredients and packaging the whipped toppings in pressure sealed cans. The wastewater originates from the sanitary facilities, boiler feed, cooling water and process operation.

The plant is in operation 5 days per week, 8 hours per day. A total of 4 persons are employed full time. During 1970 the municipal water consumption averaged 3,284,000 gallons per year or 13,000 gpd. Approximately 10% of the municipal water usage is processed as part of the finished product. The largest amount of raw material utilized is heavy cream.

One composite sample was collected during the production day. The sample was taken from a discharge pipe within a manhole, located in the front parking lot and shown on the enclosed sketch.

The wastewater is diluted and cut with hot water before it is discharged into the sanitary sewers. This process breaks up large particles in the wastewater.

INSTANT WHIP CO. INC.
SAMPLING SITES

INSTANTWHIP



SEW "I

MH

NEWCOURT ROAD

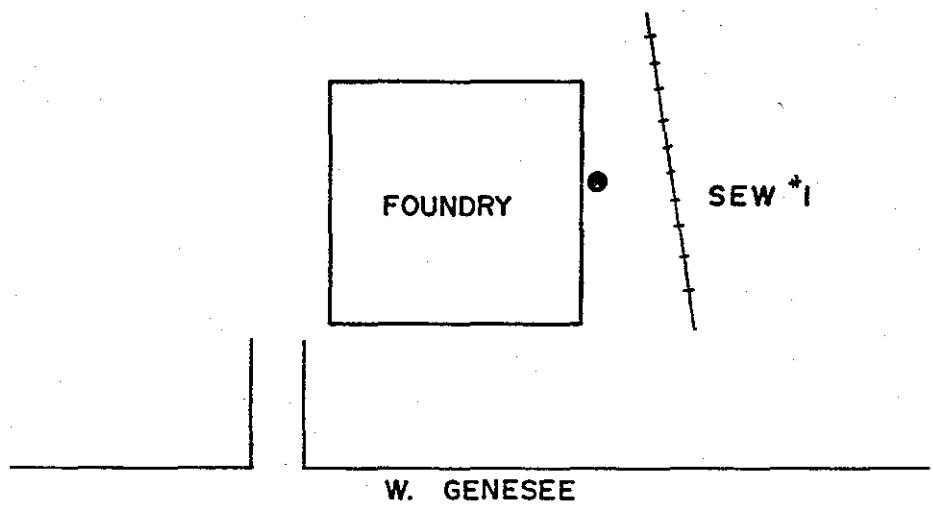
JARDINE BRONZE AND ALUMINUM FDRY.
80 East Genesee St.
Baldwinsville, New York 13027

Jardine Bronze and Aluminum Fdry. manufactures a wide variety of bronze and aluminum castings. The basic process involves melting metal alloys and pouring the molten liquid into numerous sand molds. Included in the process are typical operations of chipping, grinding and finishing procedures. The majority of wastewater originates from the air compressor aftercoolers and sanitary facilities. However, the sanitary facilities are on a septic system and do not discharge into the municipal sewers. The aftercoolers discharge to a drainage ditch which in turn empties into a nearby creek.

The plant is in operation 5 days per week, 8 hours per day. An average of 54 persons are employed on the first shift with only 1 person employed on the second and third shifts. An estimated 1,132,000 gallons of water is utilized per year, averaging 4,500 gpd. Cooling water utilizes 75% of the total yearly water consumption, with 25% going to the sanitary facilities. An average of 333 tons of bronze, 111 tons of aluminum and 394,000 lbs. of sand is used each year as raw materials.

A single grab sample was obtained during the production day. The sample was taken from the drainage ditch as shown on the enclosed sketch.

JARDINE BRONZE & ALUM FDRY
SAMPLING SITES



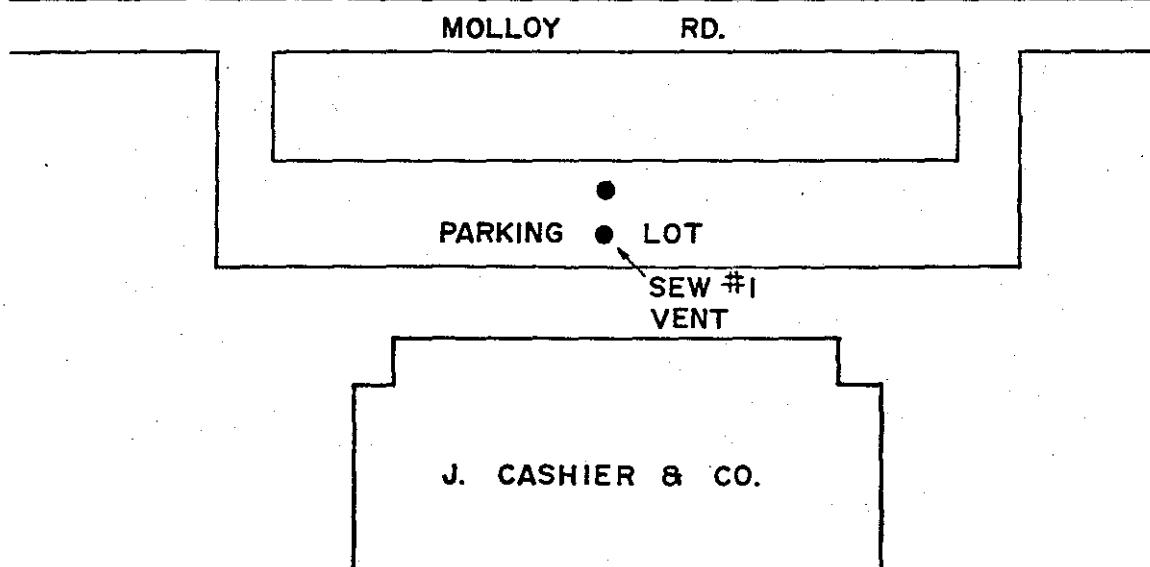
JOSEPH CASHIER AND CO.
6268 East Molloy Road
East Syracuse, N.Y.

Joseph Cashier and Co. is primarily involved in sheet metal fabrication. Spot welding and heliarc welding comprise the major manufacturing processes. The majority of wastewater originates from the sanitary facilities. A minimal amount of cooling water is utilized by the spot welders and discharged into a storm drain which flows to a catch basin behind the building.

The plant functions 5 days per week, 8 hours per day. An average of 50 persons are employed by the company. Water usage averages 708,400 gals./of water per year or 2,800 gpd. The primary raw material utilized is sheet metal.

A single grab sample was taken from the sanitary vent located in front of the plant in the main drive, as shown on the enclosed sketch.

J. CASHIER & CO.
SAMPLING SITES



KILIAN MANUFACTURING CORP.
1728 Burnet Avenue
Syracuse, New York 13201

Kilian Mfg. Corp. produces unground ball bearings, ball bearing casters and precision steel balls. The major manufacturing process involves metal heat treating in a cyanide hardening bath, machining the ball bearings and assembling unground races for bearings. Wastewater originates from the sanitary facilities, parts washing operation, fume scrubbing process (rotoclone) and water used in the metal quenching tanks after the cyanide bath hardening operation.

The plant operates 5 days per week, 22 hours per day. A total of 320 persons are employed during two 11 hour shifts with 241 persons on the first shift and 62 persons on the second shift. The municipal water usage during 1972 averaged 4,270,000 gallons per year or 17,000 gpd. This plant uses on the average approximately 17 tons of raw steel per day as their primary raw material.

Sampling for this particular industry consisted of three composite samples taken over 24 hour periods. These samples were taken from a manhole located in the front of the main building of Kilian Manufacturing Corporation.

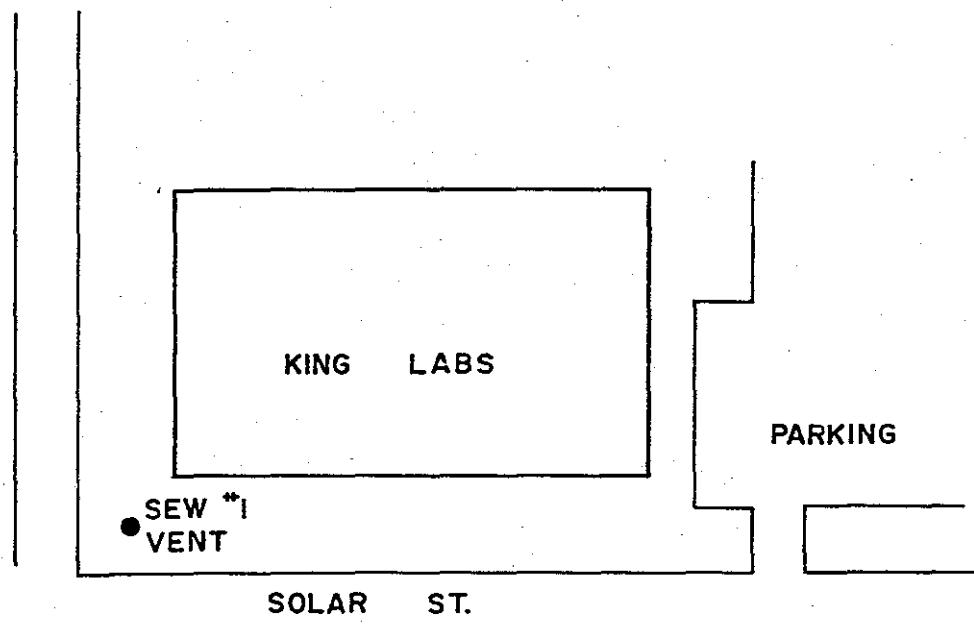
KING LABORATORIES, INC.
127 Solar Street
Syracuse, N.Y. 13204

King Laboratories, Inc. manufactures a wide range of electronic tube components. Electric vacuum furnaces produce barium, aluminum and nickel alloys which are then crushed, ground, rolled and sieved to the necessary particle size. The powdered alloys are pressed into round shells that have been pre-stamped and formed. These loaded shells are vacuum fired and have a support leg welded on to them. The finished shells are then packaged in vacuum sealed containers for shipment. Wastewater originates from the cooling process, sanitary facilities and boiler blow-off.

King Laboratories operates 5-1/2 days per week, 17 hours per day. A total of 64 persons are employed on the first shift and 29 persons on the second shift. Approximately 5,603,000 gallons of water has been utilized per year over the past three years, (1970, 1971, 1972) or 22,400 gpd. For raw materials, the plant uses: barium, aluminum and nickel metals, nickel plated steel, stainless steel strips and stainless steel wire.

One composite and one grab sample were collected from the same vent during different production days. The location of the sampling vent is shown on the enclosed sketch.

**KING LABORATORIES INC.
SAMPLING SITES**



KRAFTCO CORPORATION SEALTEST FOODS DIVISION
Box 986 - 120 Wilkinson Street
Syracuse, New York 13201

Sealtest Foods, a Division of Kraftco Corporation, produces a wide variety of ice creams and ice milk products. This operation includes the manufacture of an ice cream mix, a mixing process with other raw materials to produce ice cream flavoring, cooling and packaging. Raw materials used in this process include milk solids, butterfat, caustic soda, phosphoric acid, and some chlorine. For 1972, approximately 4,580,000 gallons of ice cream were produced by this plant.

Sealtest employs 72 people on its first 8 hour shift, while an average number of 18 people work the second shift, and only a very minimal number, approximately 10 people, work the third 8 hour shift. This 24 hour operation consists of roughly 16 hours of production, packaging, and some cleanup and 8 hours devoted to cleanup.

In 1971 the plant used approximately 30 million gallons of water. Wastewater discharge, during peak summer months, is estimated at approximately 190,000 gpd. A small percentage of the water intake becomes part of the product, but the majority of water used is discharged out as wastewater. Sources of this wastewater derive from cooling, washing, and rinsing processes, boiler blowdown, and sanitary facilities.

A variety of samples were taken from this plant. Composite samples for a day's production and cleanup period were taken

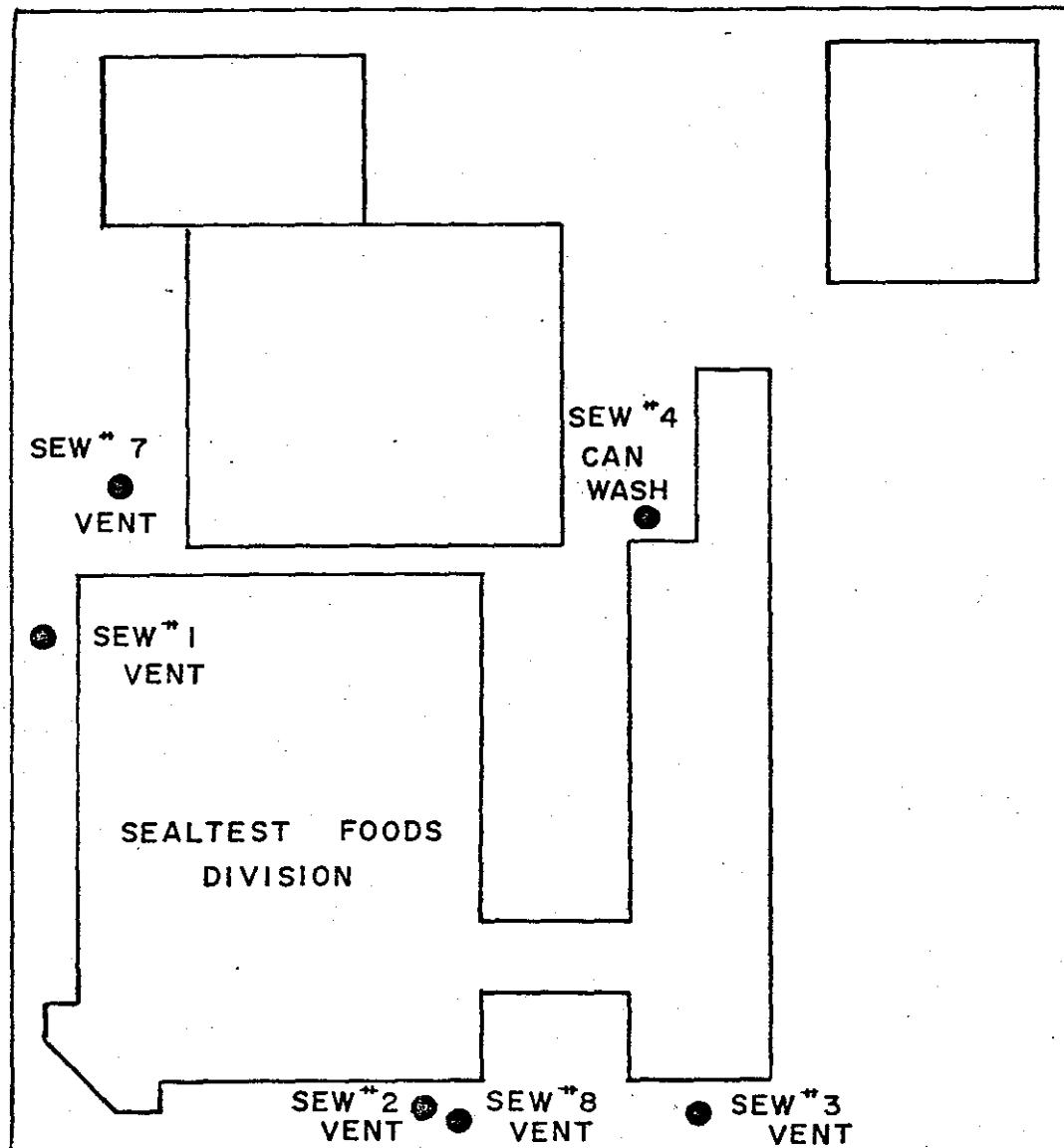
from vents on sanitary lines noted numbers 1, 7 and 8. Two 24 hour composites were taken from line #3, while three 24 hour composites were taken from sanitary line #2. Also, a grab sample of the can washing operation that drains to line #4 was taken. See enclosed sketch for sampling locations.

KRAFT CO. CORPORATION
SEALTEST FOODS DIV.
SAMPLING SITES

PARK AVENUE

LEAVENWORTH AVE.

PLUM ST.



WILKINSON ST.

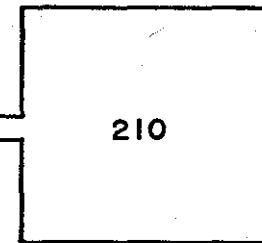
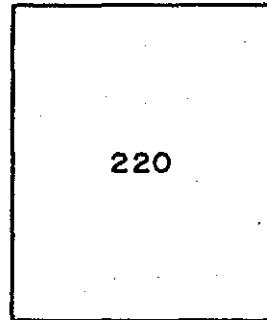
LEIGH SYSTEMS INC.
220 Boss Road
Syracuse, N.Y. 13211

Leigh Systems Inc. is primarily involved in the manufacturing of aircraft emergency beacons, electronic assemblies and emergency weather transmitters. The primary manufacturing process involves the fabrication of fiberglass parts and their assembly into finished products. The single source of wastewater originates from the sanitary facilities.

The plant is in operation 5 days per week, 8 hours per day. An average of 54 persons are employed by the plant. An average 240,000 gallons of water is used during the course of a year, averaging 1,000 gpd. Fiberglass represents the major raw material utilized in the manufacturing process.

A single grab sample was obtained from a manhole located in front of the plant as displayed on the enclosed sketch.

**LEIGH SYSTEMS INC.
SAMPLING SITE**



SEW "I"
M. H.

BOSS

RD.

LIPE-ROLLWAY CORPORATION
806 Emerson Ave.
Syracuse, New York 13204

The Lipe-Rollway Corporation manufactures heavy duty, automotive clutches and bar feeds. This plant is in operation 24 hours a day, 5 days a week. Lipe Rollway, on a three 8-shift basis, employs 342, 67, and 6 people on the first, second, and third shift respectively.

According to water usage records for 1972, this plant used approximately 15,495,000 gallons of water (or an average of 61,000 gpd). Wastewater discharge originates from several sources, including sanitary facilities, cooling units, compressor units, and process washing of metal parts. It should be noted that wastewater from the sanitary units, compressors and cooling units discharge to the sanitary sewer while the process water which constitutes approximately 15% of all water discharged, only 50% of this goes to the sanitary sewers. The remaining 50% of process water discharge goes to a drywell.

It also should be noted that this particular process water going to the drywell contains approximately 6,500 gallons of additional chemicals (listed below):

Exxon Rust Ban, Cutting Oil	300 gal. annual discharge
Sun MPM, Soluble Oil	2870 gal. annual discharge
Trim, Soluble Oil	225 gal. annual discharge
Oakite 1301 (pH 8.5)	190 gal. annual discharge
Oakite 1302 (pH 10.0)	225 gal. annual discharge
Oakite 202 (pH 10.5)	15 gal. annual discharge
Mineral acid	1.575 gal. annual discharge

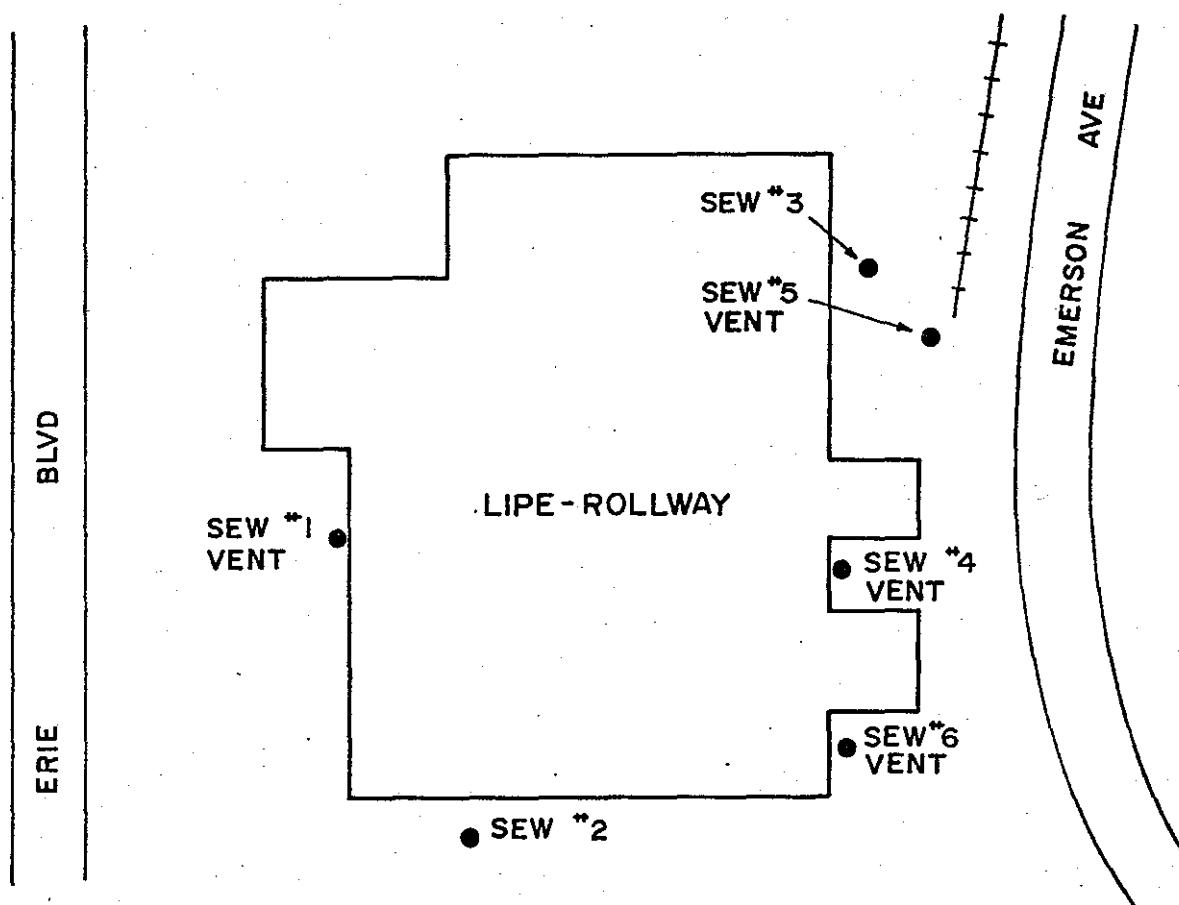
This process water discharge would also contain approximately:

2400 lb. of Oakite 77 (pH 13)
400 lb. of Oakite 29 (pH 12.5)
300 lb. of Oakite Rust Stripper (pH 13)
200 lb. of Oakite 91A (pH 12.5)
50 lb. of Oakite 47 (pH 5) (iron phos. and salt)

In addition, this process water discharge will include muriatic acid (approximately 100 cu. ft./yr) which is discharged to the drywell and there will also be approximately 100 cu. ft./yr discharge of emulsified oil which goes to the sanitary sewer.

Sampling of this industry consisted of composite samples taken at Location #1 on the east side of the plant, #2 on the north end, and #3 located on the west side of the plant. Grab samples were also taken at locations #4, #5 and #6 (See sketch).

**LIPÉ - ROLLWAY
SAMPLING SITES**



MAC LAW TOOL AND AIRCRAFT PARTS, CORP.
1860 Erie Blvd, East
Syracuse, New York 13201

MacLaw Tool and Aircraft Parts, Corp. fabricates jigs, fixtures, gages and special precision machinery for aircraft parts. The manufacturing process involves the chipping, drilling, boring and milling of various metals into assembled aircraft parts. Wastewater originates from the sanitary facilities and from the air conditioning cooling water that escapes when the recycled cooling water is changed.

The plant is in operation 5 days per week, 18 hours per day. Approximately 45 people are employed at the plant. An average of 891,600 gallons of water is utilized per year or 3,600 gpd. The majority of the municipal water is used for sanitary facilities and cooling process. A variety of metals are used as raw materials for the construction of various tools and instruments.

One grab sample was collected during the production day from a vent near the main building entrance along Erie Blvd.

MACK MILLER CANDLE CO. INC.
1701 N. Salina St.
Syracuse, N.Y. 13208

Mack Miller Candle Co. Inc. produces church candles, a variety of waxes and charcoal. Melted waxes are combined and injected into candle molding machines to produce candles. Water is used to cool the machines which in turn hardens the wax candle. Wastewater originates from the sanitary facilities, cooling water and boiler blowdown.

The plant is operated 5 days per week, 8 hours per day. A total of 55 persons are employed full time. Approximately 8,629,800 gallons of water is consumed per year or 34,500 gpd. A variety of waxes represent the major raw material used.

Two composite samples were collected over the production day. The first composite, SEW #1, was taken from a floor drain in the building's basement. The second composite, SEW #2, was taken from a floor drain in the mensroom in the building's first floor. An enclosed sketch shows the sampling locations.

MACK MILLER CANDLE CO. INC.
SAMPLING SITES

WOLF ST.

SALINA ST.

● SEW #1
VENT

MACK MILLER CANDLE CO.

SEW #2 ●
VENT

MAGNAVOX CATV DIVISION
100 Fairgrounds Drive
Manlius, New York 13104

Magnavox CATV Div., formerly Craftsman Electronic Products Inc., produces television antenna equipment. The manufacturing process is a totally dry operation involving the assembly of electronic parts. The only source of wastewater is from the sanitary facilities.

The industry operates 5 days per week, 8 hours per day and employs 100 people. An average of 1,890,000 gallons of municipal water is utilized yearly or 7,000 gpd.

Wastewater samples were not collected from the Magnavox CATV due it having a dry processing operation.

MARBLE FARMS DAIRY, INC.
Box 952 (1122 Grand Ave.)
Syracuse, N.Y. 13201

Marble Farms Dairy, Inc. processes milk, cream, ice cream, cottage cheese, fruit drinks and other dairy products. The basic operation includes milk pasturization and packaging, cream and cottage cheese manufacturing, mixing ice cream flavors together and packaging. The majority of the wastewater originates from the sanitary facilities, equipment washing and cooling machinery.

The plant is in operation 6 days per week, 7-8 hours per day. A total of 23 persons are employed full time with 14 persons employed part time. During the past three years, (1970, 1971, 1972), an average of 5,312,500 gallons of water was utilized per year or 21,300 gpd. Water from springs flowing behind the plant, is also utilized as cooling water for the ice machines. Approximately 9,400,000 lbs of milk is processed yearly and represents the major raw material used, along with fruit juice concentrates and ice cream flavoring.

One composite sample was collected for the duration of one production day. The sample was taken from an outflow pipe in a manhole near the service road to the dairy. (see enclosed sketch for sample location)

MARBLE FARMS DAIRY INC.
SAMPLING SITES

MARBLE FARMS DAIRY

• M H
SEW "I"

PARKING LOT

GRAND AVE.

MARCELLUS CASKET COMPANY, INC.
Box 1218 (101 Richmond Ave.)
Syracuse, New York 13201

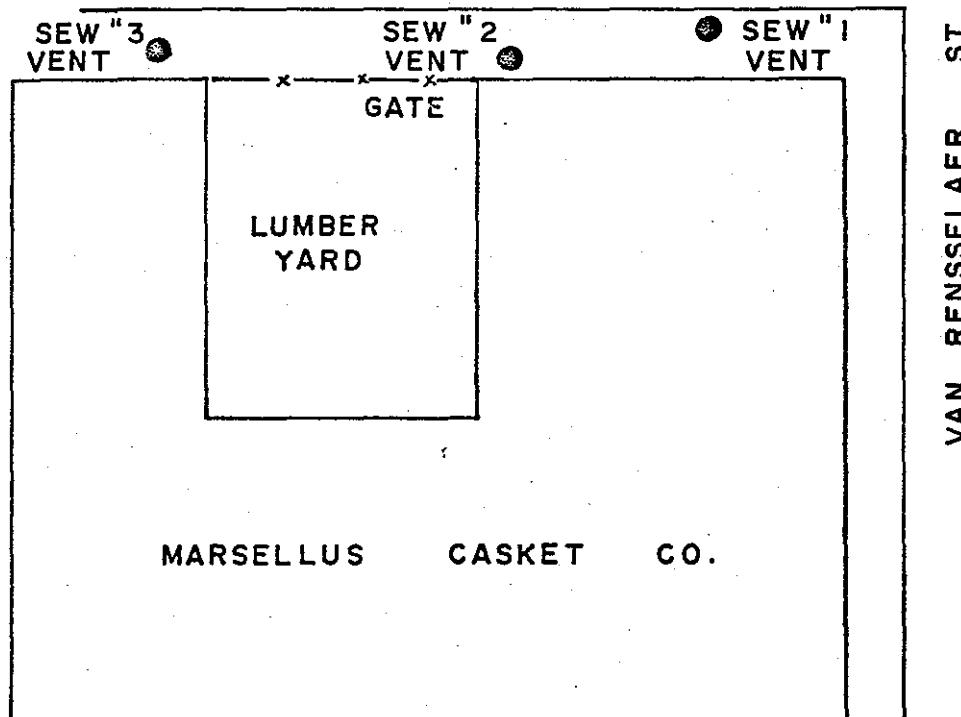
Marcellus Casket Co., Inc. produces a variety of finished hardwood caskets. The manufacturing process involves wood kiln drying and seasoning operations, wood working (cutting, shaping, sanding, staining) and assembly. The majority of wastewater originates from the sanitary facilities.

Marcellus Casket Co., Inc. operates 5-1/2 days per week, 9 hours per day and employs a total of 200 people. The municipal water usage during 1971 and 1972 averages 7,520,000 gallons per year or 30,000 gpd. Municipal water is utilized in the boiler feed, sanitary facilities and kiln drying process. Approximately 90% of the water used in the kiln drying process evaporates into steam. Many types of hardwoods (ex. walnut, cherry, mahogany) are used in the construction of caskets.

Altogether 2 grab samples and one composite sample were collected during the production day. The samples were taken from 3 different vents along the Richmond Ave. sidewalk. The composite was taken from SEW #1, while the grab samples were taken from SEW #2 and SEW #3 as shown on the enclosed sketch.

MARSELLUS CASKET COMPANY INC.
SAMPLING SITES

RICHMOND AVENUE



MELOON FOUNDRIES INC.
1841 Lemoyne Ave.
Syracuse, New York

Meloon Foundries Inc. manufactures brass, bronze and aluminum castings. The production of castings involves pouring molten metals into sand molds, cooling and machining the rough castings into finished products. Waste-water originates entirely from the sanitary facilities. The cooling compressors at Meloon Foundries are air-cooled instead of water-cooled, therefore, water usage is considerably lower as compared to other typical foundry operations.

Meloon Foundries Inc. operates 5 days per week, 8 hours per day. Approximately 30 persons are employed with a peak employment of 35 persons. The municipal water usage during the period of June 1972 to June 1973 averaged 375,000 gallons per year or 1,500 gpd.

Wastewater samples were not collected from this industry due to the dry processing operation.

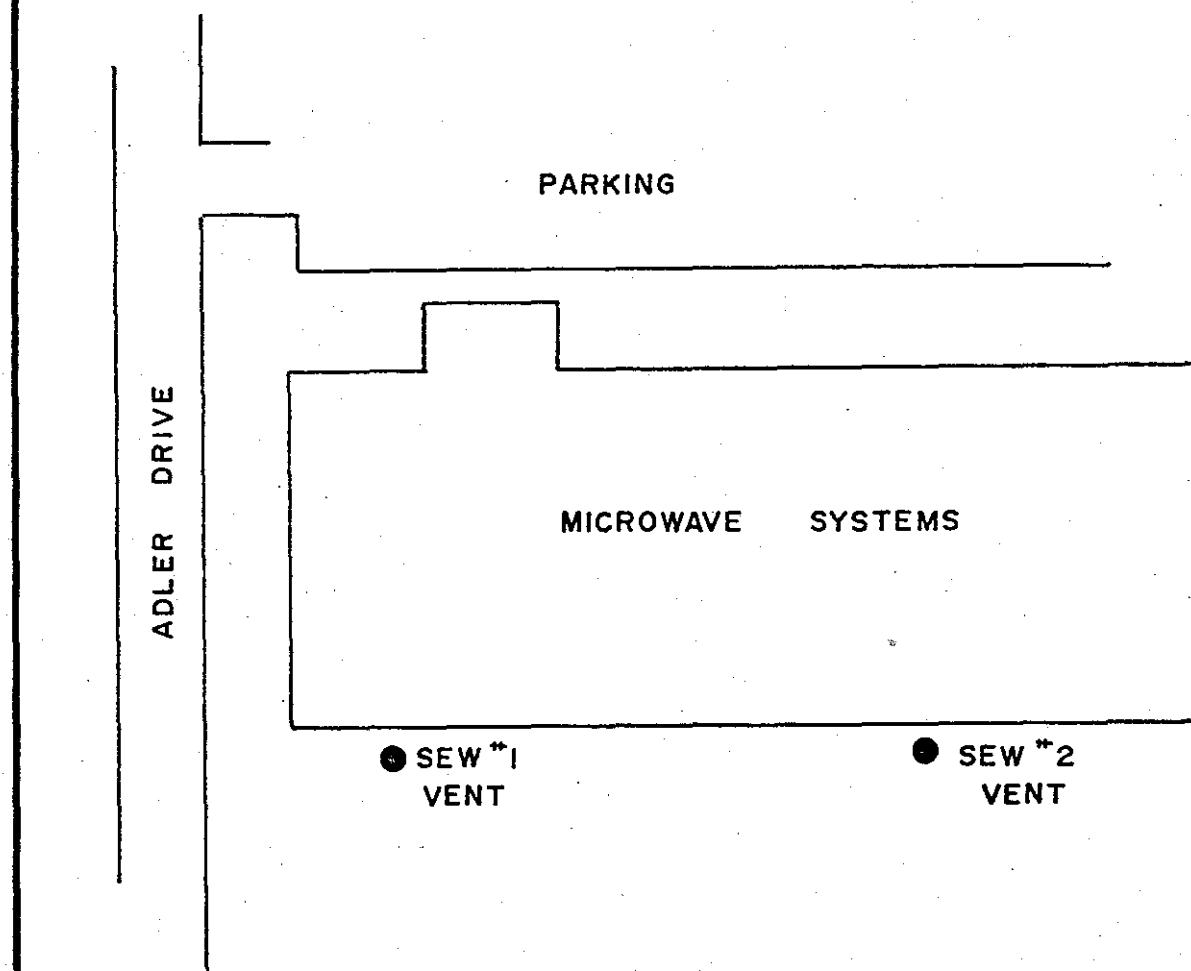
MICROWAVE SYSTEMS, INC.
1 Adler Drive
East Syracuse, N.Y. 13057

Microwave Systems, Inc. produces microwave oscillator controls, electronic instruments and supplies as well as research and development services. The primary process almost entirely involves the assembling of various manufactured parts into a finished product which is then packaged. Wastewater originates from the sanitary facilities and air conditioning cooling systems.

Microwave Systems operates 5 days per week, 8 hours per day. A total of 65 persons are employed for full time work. An average of 374,000 gallons of water is utilized per year or 1,500 gpd. The majority of municipal water is used for the sanitary facilities. The raw materials used varies according to the type of part being manufactured.

Two grab samples were collected during the production day. The first grab, labeled SEW #1, was obtained from a vent near Alder Drive and the second grab, labeled SEW #2, was taken from a vent behind the building as shown on the enclosed sketch.

MICROWAVE SYSTEMS, INC.
SAMPLING SITES



MISENER MFG. CO., INC.
208 Walton Street
Syracuse, New York 13202

Misener Mfg. Co., Inc. produces hole saws, fibre conduit safety seals, cast iron drills and taps and special saw blades. The process is basically a machine shop-type operation involving parts drilling, cutting and finishing. The wastewater originates entirely from the sanitary facilities.

The plant employs 15 persons and operates 5 days per week, 8 hours per day. Approximately 131,000 gallons of municipal water is utilized per year or 500 gpd.

Since the manufacturing process is primarily a dry operation, wastewater samples were not collected from this industry.

MORRIS MACHINE WORKS
East Genesee Street
Baldwinsville, N.Y. 13027

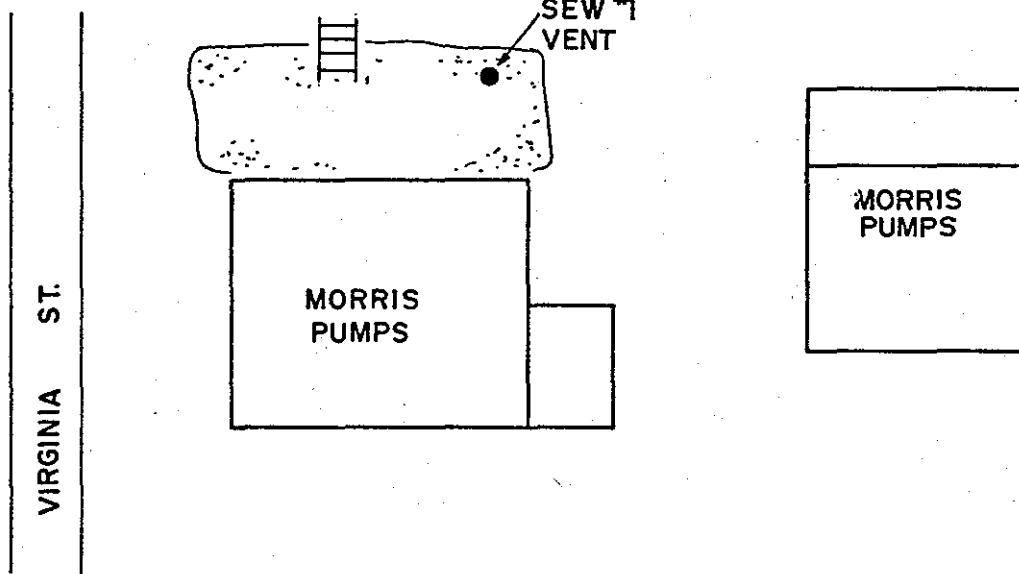
Morris Machine Works manufactures a wide assortment of centrifugal pumps, hydraulic dredges and dredging equipment. The basic process involves the heavy machining of metal parts into pump mechanisms and the assembly of machined parts into finished pumps or dredges. The finished products are also tested in tanks to guarantee dependability. Wastewater originates from the sanitary facilities, cooling process and pump testing operations.

The plant is operated 5-1/2 days per week, 17 hours per day. An average of 170 persons are employed during the first shift with 20 persons on the second shift. During 1970, 1971 and 1972 the municipal water usage has averaged 4,016,000 gallons per year or 16,064 gpd. A variety of fabricated and machined metal parts are utilized as raw materials each year.

One composite sample was collected during the production day. The sample was taken from a vent near the main entrance to the building as shown on the enclosed sketch.

MORRIS MACHINE WORKS
SAMPLING SITES

GENESEE STREET



MUENCH-KREUZER CANDLE CO.
Box 1299 (Bear and Solar Sts)
Syracuse, N.Y. 13201

Muench-Kreuzer Candle Co.- manufactures a wide variety of candles and candle accessories. Ingredients are first melted in vats and then poured into molds of numerous designs. The candles are then dipped in cold water tanks to give a glossy, finished appearance to the candle. The wastewater originates from the cold water tank discharge, boiler blowdown and sanitary facilities.

The plant operates 5 days per week, 24 hours per day. A total of 169 persons are employed on the first shift, with 28 persons on the second shift and 11 persons on the third shift. The raw materials processed yearly are: 10,210,000 lbs. of paraffin, 580,000 lbs. of stearic acid and 146,500 lbs. of beeswax. During the past three years, (1970, 1971, 1972) an average of 5,328,000 gallons of water was utilized per year or 21,500 gpd. The majority of the water, (75%) was used in the sanitary facilities while the remaining 25% went to processing, boiler feed and cooling.

Two composite samples were collected during the production day. Composite #1 was obtained from a manhole outside the building and composite #2 was taken from a drain in the basement workshop room. A sketch of the sampling locations is enclosed.

Muench-Kreuzer provides a degree of wastewater treatment to the cold water tank's discharge. The floating wax particles remaining in the tank are skimmed and removed with a strainer. The wastewater then passes through a series of baffles to prevent any floating wax particles from discharging into the sewer. The pre-treatment operation is done once a week.

MUENCH KREUZER CANDLE CO.
SAMPLING SITES

MUENCH KREUZER
CANDLE COMPANY

SEW #2

SEW #1

MH.

HIAWATHA BLVD.

MULROY DAIRY FARM
23 W. Main St.
Marcellus, New York 13108

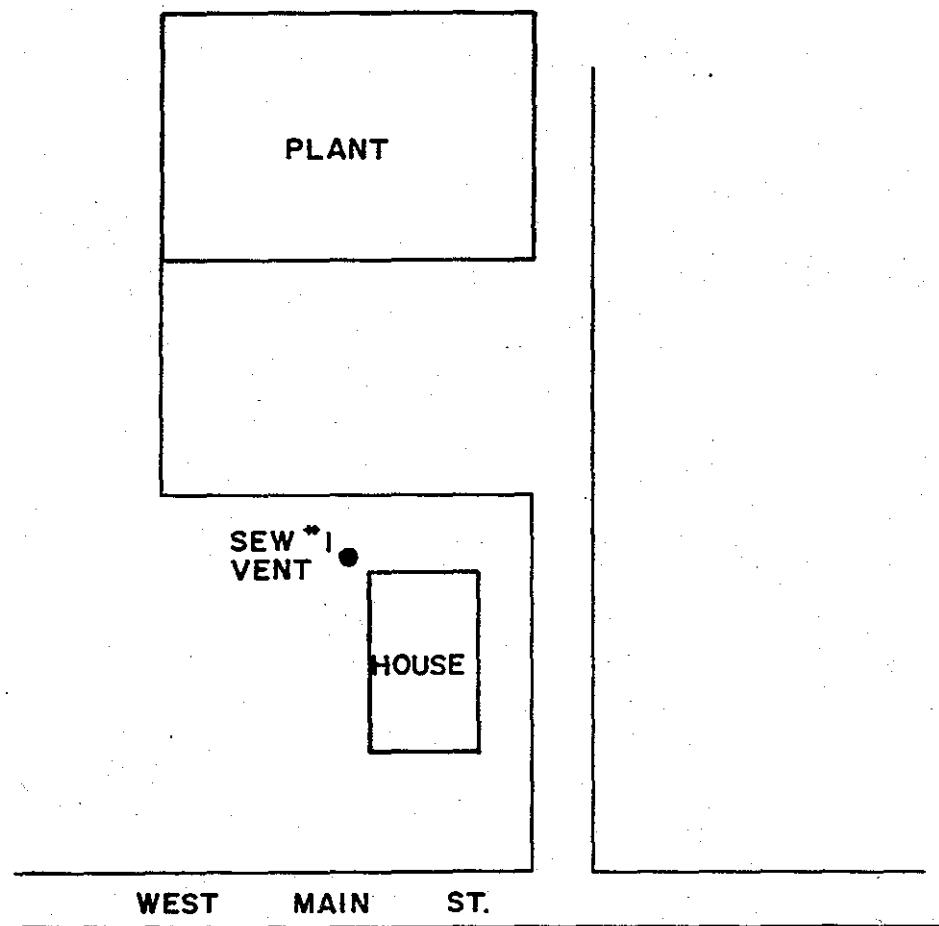
The Mulroy Dairy Farm, located in the Village of Marcellus, produces only whole and skim milk. This operation, perhaps on a somewhat smaller scale than other local dairy plants, is nevertheless typical of a milk production process. The characteristic processes of pasteurization, cooling, rinsing, washing and bottling take place here. Wastewater originates from the cooling, rinsing and washing operations, plus sanitary discharges.

This dairy plant employs only two full time men, operating the plant 8 hours a day, 6 days a week. Water usage records indicate that 416,500 gallons were used during a quarterly period. Also the Mulroy Dairy takes water from a private source (spring) at a rate of 2.5 gallons/min or approximately 3,600 gallons per day. It is estimated that at least 75% of the water used is taken from the spring.

It was indicated that approximately 2,000 quarts of milk are produced per day. Some of the water intake becomes part of the product. The remainder, as mentioned before, is discharged to the village sewer system which includes wastes from the plant and wastes from the sanitary facilities in the residential unit adjacent to the plant.

A composite sample was taken over a day's production period. The sample was drawn from a vent on the sanitary line that collected wastes from the plant and the residential unit. (see sketch)

MULROY DAIRY FARM
SAMPLING SITES



NEW PROCESS GEAR, DIVISION OF CHRYSLER CORP.
6600 Chrysler Drive
East Syracuse, New York 13201

New Process Gear, Division of Chrysler Corp. is a major manufacturer of standard automotive transmissions and axle assemblies for trucks and passenger cars. The primary manufacturing process involves the machining of castings and forgings, gear cutting, heat treating, grinding, parts washing and assembly. A total of 900,000 transmissions and 500,000 axles are produced yearly. The wastewater originates from the sanitary facilities and from the process and cooling. The oily wastewaters are treated by the plant's own industrial waste treatment facility before being discharged to the sanitary sewers.

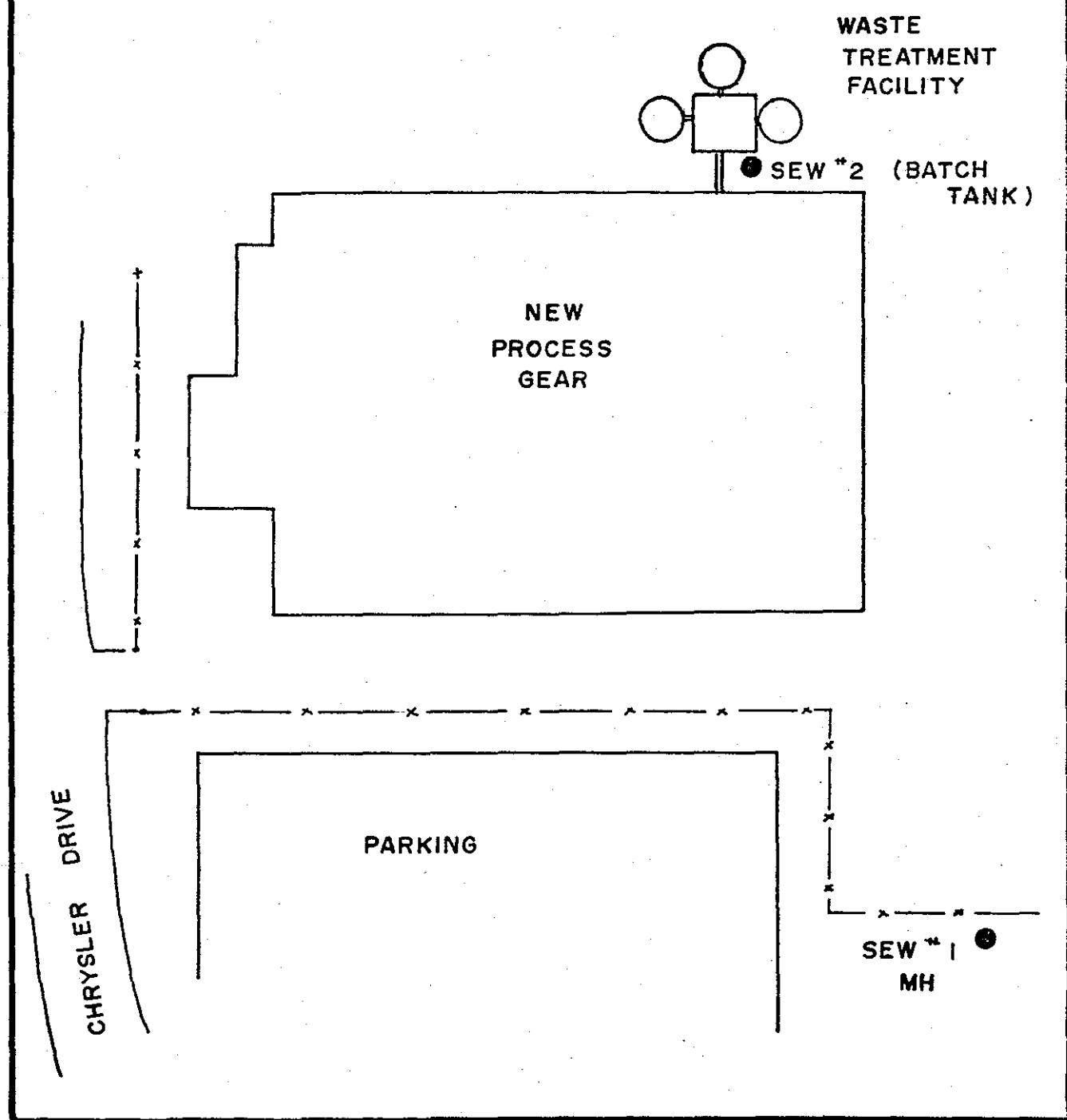
The plant is in operation 7 days per week, 24 hours per day. A total of 3,100 persons are employed at the plant. An average of 218.4 million gallons of water was used during 1972, with a daily average of 818,000 gallons. Recent water records clearly show a 100% increase in water usage from the production years of 1970 to 1972. The major raw materials utilized per year consist of: 36,000 tons of cast iron, 18,000 tons of malleable iron, 76,000 tons of steel, 2,900 tons of aluminum and 1,105,000 gallons of lubricants and cutting oils.

Composite and grab samples were collected at the plant. The grab samples were obtained from batch tanks inside the plant and the composite samples were taken from a manhole in a nearby

lot. The sampling locations are shown on New Process Gear Drawing M9 Plan of Sanitary Sewer System, available in our files.

The industrial process wastewater is pretreated before being discharged into the sanitary sewers. Treatment involves the flocculation of oils with lime, acid and alum, and the removal of any floatable oils. The flocculated wastewater is then discharged 7-9 times per week into the sewers. The cooling water and stormwater is collected separately and discharged to a pond prior to going to a creek.

NEW PROCESS GEAR
DIVISION OF CHRYSLER CORPORATION
SAMPLING SITES



NIXON GEAR AND MACHINE CO., INC.
4601 Nixon Park Dr.
Syracuse, New York 13215

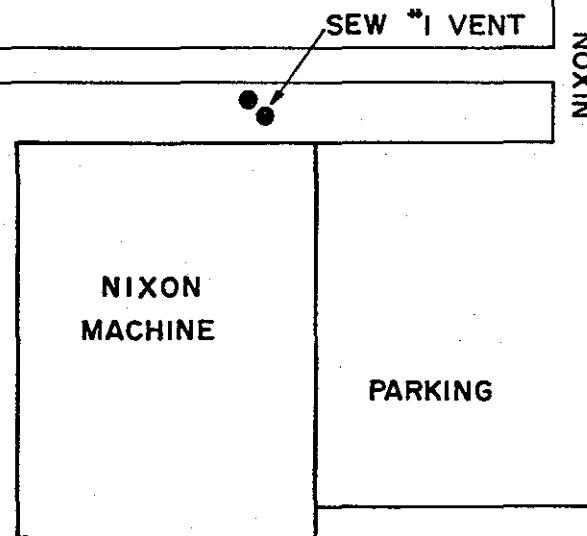
Nixon Gear and Machine Co., Inc. manufactures gear assemblies, clutch components, timing belt pulleys, sprockets, splines and related power transmission parts. The process involves cutting, grinding, spurring, beveling and worming gear parts to specifications. Wastewater originates from the sanitary facilities, parts washing, cooling process and holding tank discharge. The total amount of wastewater is discharged directly to the plant's septic system and not into municipal sewers.

The plant is in operation 5 days per week, 17 hours per day. Approximately 37 people are employed on the first shift and 15 people on the second shift. During 1972, water consumption averaged 1,308,000 gallons or 5,232 gpd. The major raw materials involved in the production of gears are steel and aluminum.

One grab sample was collected during the production day. The sample was taken from a vent near the front of the building and shown on the accompanying sketch.

NIXON GEAR & MACHINE CO.
SAMPLING SITES

RT. 175



NORHEAST OIL CO.
2802 Lodi Street
Syracuse, N.Y. 13208

Northeast Oil Co. processes and refines waste fuel and lubrication oils into finished petroleum products. The basic process consists of refining and recycling waste oils from various sources. The majority of wastewater originates from the cooling water and from the steam traps which may become contaminated with oil.

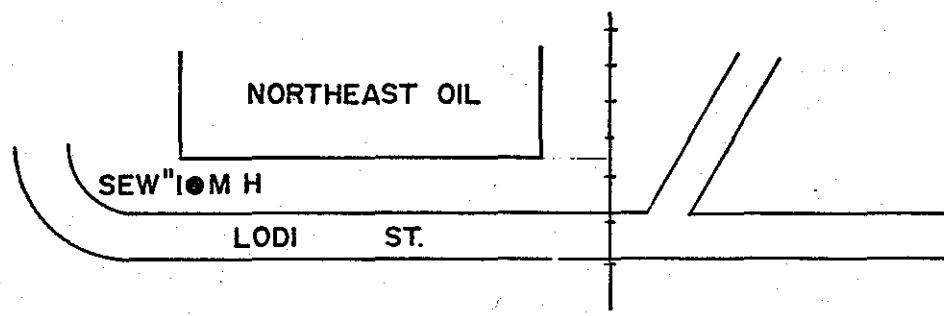
The refinery plant is operated 6 days per week, 14 hours per day. Three persons are employed for the first shift with only 1 person for the second shift. A calculated average of 1,565,750 gallons of water is utilized per year, averaging 6,300 gpd. Waste oil from gas stations, car dealers and industries is the only raw material processed.

A single composite was collected over the production day. The sample was collected from a manhole in the parking lot as shown on the accompanying sketch.

At present, the refinery does not provide any treatment for the wastewater. However, in the future they plan to install an oil separator treatment for the contaminated wastewater.

**NORTHEAST OIL
SAMPLING SITES**

81



OBERDORFER FOUNDRIES, INC.
Box 1125
Thompson Road
Syracuse, New York 13201

Oberdorfer Foundries, Inc. is a large foundry operation producing aluminum and bronze castings. Production totals are broken down into 80% aluminum castings and 20% bronze castings. The processes involved here are typical foundry and casting operation plus a heat treating operation. Principle raw materials are sand and the primary metal. Normally, the plant operates on a 5-day week schedule with two shifts. There are 410 people employed on the first shift while 70 people are employed on the second shift.

Water records indicated that 20.7 million gallons of water were used in 1972. Again from water usage records, it is projected that this plant will use approximately 24 million gallons of water in 1973. Water is used primarily for sanitary purposes and for an air compressor after coolant. There are no wastewaters discharged from process operations. It is estimated that of the water used, 75% is utilized for the compressor cooling which is discharged to Ley Creek. The remaining 25% is used for sanitary facilities which is discharged to the sanitary sewers. This sanitary wastewater flow is estimated to be approximately 20,000 gallons per day.

A composite sample was taken over a 24 hour period. The sample was taken from a manhole on the sanitary line located in the northeast corner of the parking lot..

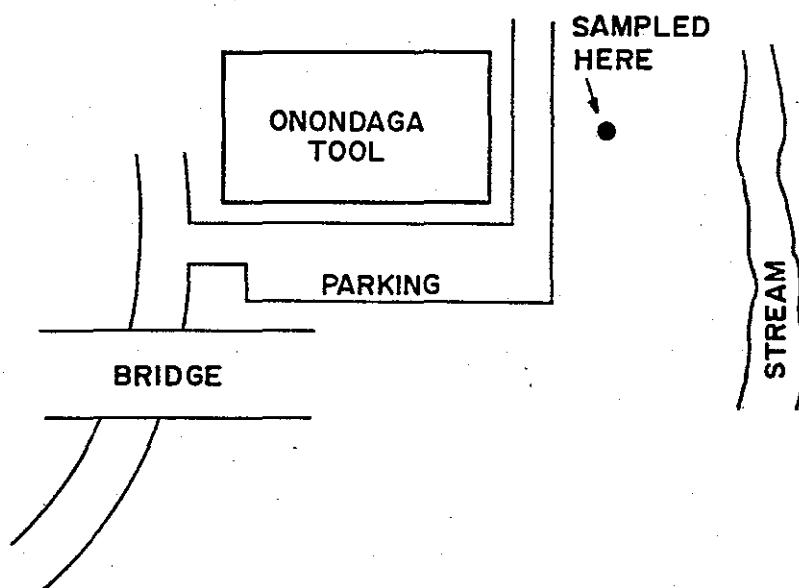
ONONDAGA TOOL CORP.
P.O. Box 37, S. Mill Street
Fayetteville, New York 13066

Onondaga Tool Corp. produces various punches, dies and holders as finished parts for tools. The basic manufacturing process involves the machining, drilling, turning and finishing of tool parts. The single source of wastewater originates from the sanitary facilities.

The plant functions 5 days per week, 10 hours per day. An average of 58 persons are employed at the plant. During 1972 an average of 514,500 gallons of water were utilized, averaging 2,100 gpd. For raw materials, the plant utilizes approximately 14 tons of steel per year.

One composite sample was collected during the course of a production day from a vent outside the building as shown on the enclosed sketch.

**ONONDAGA TOOL CORP
SAMPLING SITES**



PASS & SEYMOUR, INC.
50 Boyd Avenue
Solvay, New York 13209

Pass & Seymour, Inc. manufactures a variety of electrical wiring devices and porcelain lighting fixtures. The manufacturing process involves clay molding and glazing operations in producing the porcelain lighting fixtures. There is a plating operation involved in production of the electrical wiring devices. Primary sources of wastewater originate from cooling water for molding presses and other machinery, rinse water from the plating and pickling operations, and wastes from sanitary facilities.

This plant employs 441 people on its first shift, 90 people on the second shift and 15 people on the third shift. The plant is in normal operation 5 days a week, 24 hours a day. Water records indicate that an average figure for water used during the period 1971-1972 is approximately 21 million gallons per year. Raw materials used in the plating operations include chromates, zinc, brass, nickel, and copper. Thus, usual contaminants in the wastewater include dilute solutions of the above said metals. Large amounts of clay are used in the production of the porcelain lighting fixtures.

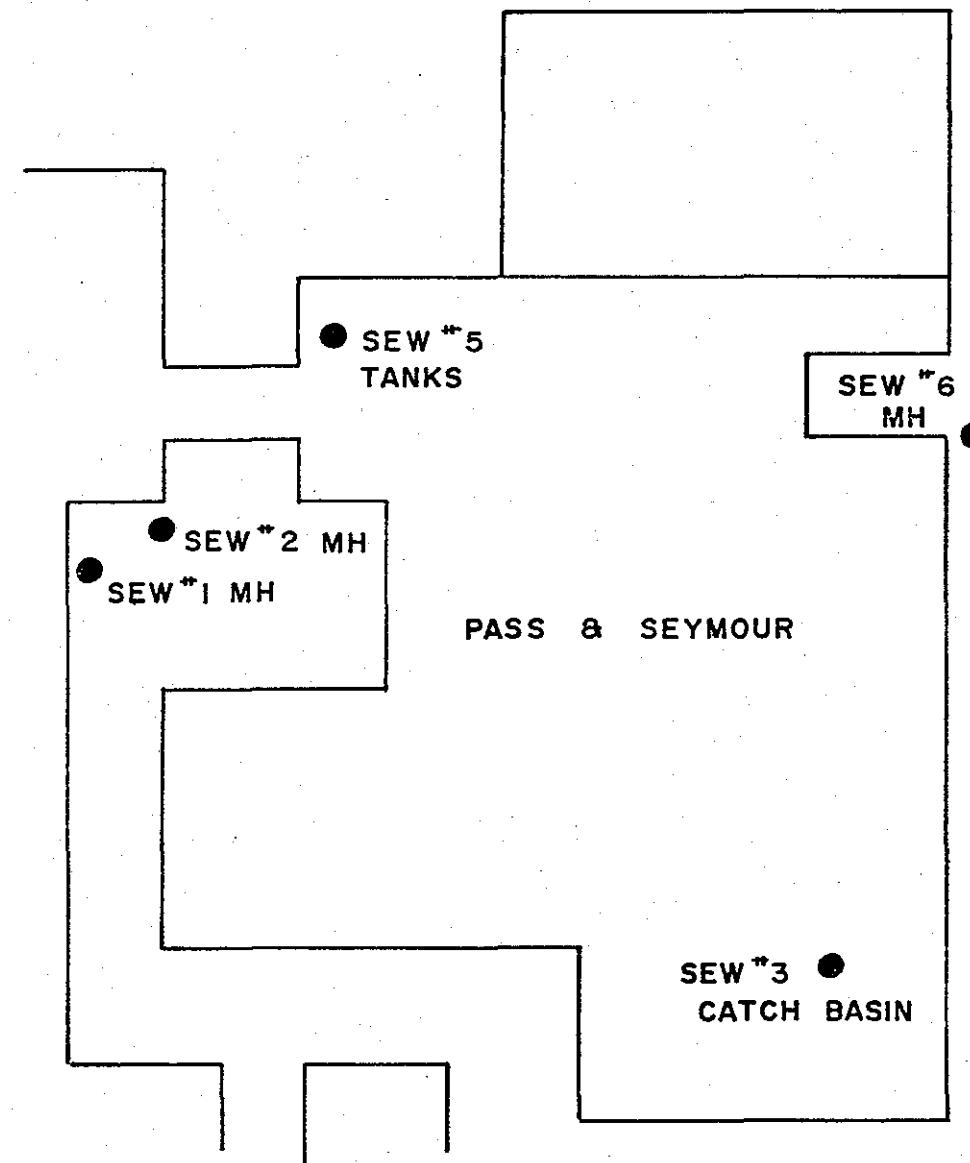
Sampling of this industry consisted of a composite sample of the discharge from the plating operation. Also grab samples were taken from the following:

1. The discharge from boiler and sanitary facilities in building #14.*

2. A catch basin on storm sewer line located in day storage area in building #1.*
3. From rinse tanks located in building #11.*
4. From catch basin on sanitary line located off Boyd Ave. outside of building #19.* This line handles discharge from sanitary facilities and possible rinse water from glazing operation.

*(See dwg. "Pass & Seymour Sewers", 1971)

PASS & SEYMOUR INC.
SAMPLING SITES



PATTERN MAKERS, INC.
Thompson Road
Syracuse, New York

Pattern Makers, Inc. manufacture foam molds and permanent molds of various metal and wood types. The principle raw materials to produce these patterns are wood, iron, aluminum, and plastic, of which 95% of these raw materials become the finished product.

Pattern makers employ 30 people for a 5 day per week work schedule, 8 hours a day. Water records were not available to indicate water usage. However, it appears that water is used primarily for sanitation purposes with perhaps 10% of the total used for cooling purposes. There is no process water discharged of any type. The sanitary wastewater water flow is discharged to the sanitary sewers. This is the sole source of wastewater.

Sampling of this industry was not required due to the lack of any industrial wastewater discharge. It should be noted that sampling of its sanitary discharge was taken in the form of a 24 hour composite when sampling procedures took place for Oberdorfer Foundries Inc. The sanitary line of Pattern Makers Inc. joins that line of Oberdorfer Foundries before it is discharged to the main line of the sewer system.

PEPSI-COLA SYRACUSE BOTTLERS, INC.
Tarbell Road
East Syracuse, New York 13057

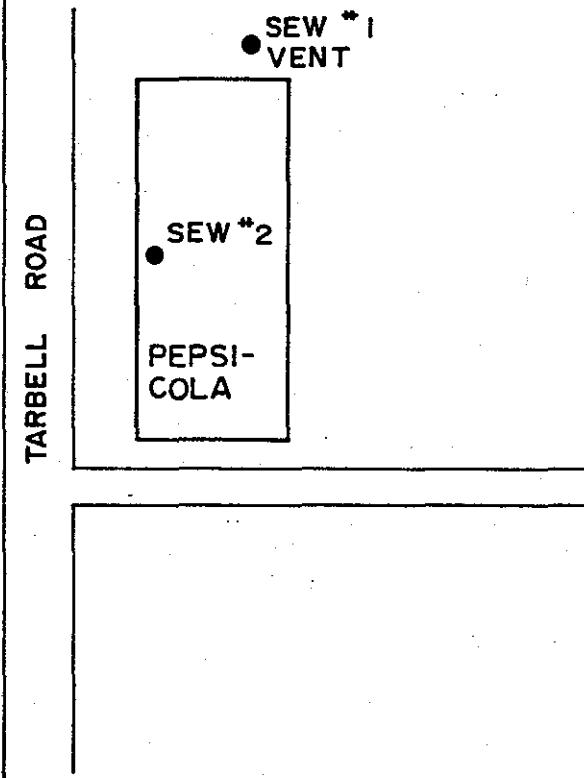
Pepsi-Cola Syracuse Bottlers, Inc. bottles and cans carbonated beverages in a variety of flavors. The basic process includes bottle and can pre-rinsing, combining concentrated syrup with carbonated water, bottle capping, can sealing and packaging. The product is bottled and canned in non-returnable containers. Wastewater originates from the sanitary facilities, bottle rinsing operation, truck washing, production spillage and pre-mix can washing process.

Pepsi Cola operates 5 days per week, 17 hours per day. Approximately, 84 persons are employed during the first shift and 5 persons on the second shift. The municipal water usage during 1971 and 1972, averages 10,579,125 gallons per year or 42,300 gpd. The average water usage per year is divided among the sanitary facilities- 250,000 gallons, bottle rinsing - 2,900,000 gallons, truck washing - 350,000 gallons, pre-mix can washer - 2,000,000 gallons and daily cleaning water ~ 1,000,000 gallons per year. Also, an additional 3,000,000 gallons per year of water is utilized as part of the product. The raw materials used are carbonated water and concentrated syrup in an assortment of flavors.

One composite sample and one grab sample were collected during the production day. The composite sample was taken from a vent located adjacent to the building and labeled

SEW #1. The grab sample was obtained from a floor drain inside the truck washing area and labeled, SEW #2. Both sampling sites are shown on the accompanying sketch.

PEPSI-COLA SYRACUSE BOTTLERS INC.
SAMPLING SITES



PRECISION CASTINGS CO., DIV. OF ALLIED PRODUCTS
547 E. Genesee Street
Fayetteville, N.Y. 13066

Precision Castings Co., Div. of Allied Products manufactures a large variety of aluminum and zinc alloy die castings. The basic manufacturing process involves melting metal alloys and injecting the liquid into molds or casts. Other processes include parts shaping, chipping, grinding and finishing. The majority of wastewater originates from the cooling water, sanitary facilities, air compressors and cleaning water discharge.

The plant is in operation 5 days per week, 24 hours per day. The average employment during the first shift is 289 persons, with 112 persons on the second shift and 52 persons on the third shift. During the past three years (1970, 1971, 1972), the water usage has averaged 9,558,000 gallons of water per year or 38,200 gpd. However, in 1973, the water usage has decreased due to the installation of a recycling cooling tower. Approximately half of the total water consumed is utilized in the sanitary facilities, while the remaining half is broken down into process and boiler feed water. The major raw materials used each year consist of 4,961,378 lbs. of aluminum alloys and 3,923,183 lbs. of zinc alloys.

Altogether, two composite samples were taken throughout the production day. The sampling locations, labeled SEW #1 and SEW #2 are shown on the enclosed sketch.

The plant also provides a degree of wastewater treatment. This treatment involves a settling chamber or interceptor which separates and settles grease and oil from the discharged wastewater.

**PRECISION CASTINGS CO.
SAMPLING SITE**

E. GENESEE ST.

PRECISION CASTINGS

PARKING LOT

● SEW *1

□ SEW *2

PRESTOLITE COMPANY
Division of Eltra Corporation
219 Lamson Street
Syracuse, New York 13201

The Prestolite Company, Division of Eltra Corporation, manufactures approximately 80,000 D.C. motors per year. This particular manufacturing process involves primarily machining, washing of parts and assembly. Prior to 1974, the manufacturing operations included more facilities, however, in 1974 a portion of the plant's manufacturing process moved out of New York State. Due to this recent shift, the plating operations have ended. The major raw materials used annually are copper-480 tons, aluminum-80 tons, and steel-2,640 tons.

The Prestolite Company operates 5 days per week, 24 hours per day. There are 476 people employed on the first shift, 133 people employed on the second shift and a minimal number of people employed in the third shift. An estimated 17,710,000 gallons of municipal water are used per year or 70,000 GPD. In this plant, wastewater is discharged from the washing of parts, cooling processes and sanitary facilities.

Sampling procedures for this industry includes two 24 hour composite samples over a period of two consecutive days. One sample was taken from a line discharging sanitary wastewater, and another sample was taken on a line that discharged rinse and cooling waters. (See enclosed sketch).

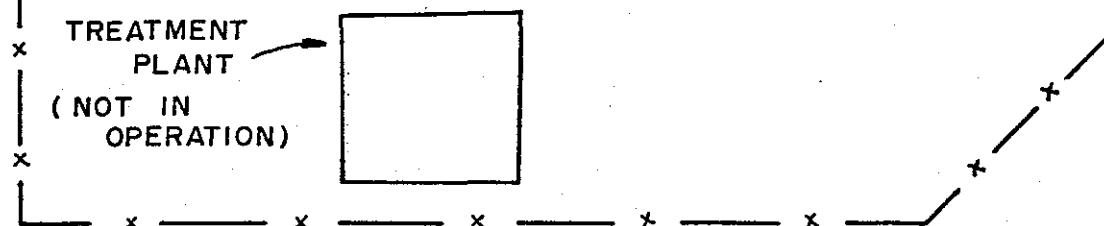
PRESTOLITE COMPANY
DIVISION OF ELTRA CORPORATION
SAMPLING SITES

PRESTOLITE
COMPANY

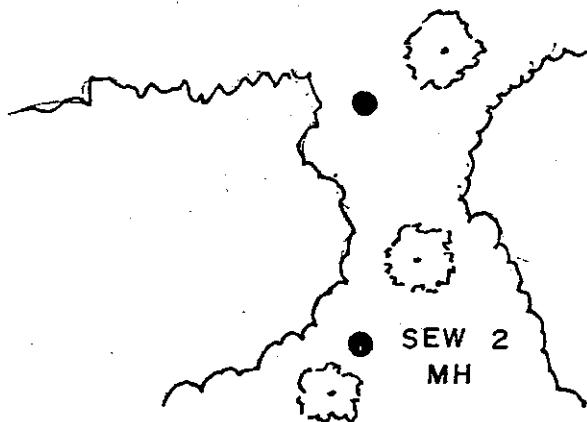
SEW 3
RINSE BATHS

SEW 1
MH

TREATMENT
PLANT
(NOT IN
OPERATION)



SEW 2
MH



PRODUCTION PRODUCTS, INC.
133 W. Seneca Street
Manlius, New York 13104

Production Products, Inc. is basically a machine shop operation that manufactures automatic screw machinery. The fabricating procedure is primarily a dry process and utilizes a minimal amount of municipal water. The majority of wastewater originates from the sanitary facilities.

Production Products, Inc. employs 95 persons and operates 5 days per week, 18 hours per day. Wastewater samples were not collected due to the dry manufacturing process of the industry.

R.E. DIETZ CO.
221 Wilkinson St.
Syracuse, N.Y. 13201

R.E. Dietz Co. is a large manufacturer of automotive lighting equipment, truck side view mirrors, road flare equipment, electric flashing barricade lights, kerosene lanterns and highway road torches. At the Wilkinson St. plant the primary process involves nickel, zinc and chrome plating of lighting apparatus. Wastewater originates from the cooling process, sanitary facilities, plating process and boiler feed.

The Wilkinson St. plant is operated 5 days per week, 24 hours per day. The average employment is 512 persons on the first shift, 37 persons on the second shift and only one person on the third shift. The municipal water usage during the past three years, (1970, 1971, 1972) has been 32,120,000 gallons per year or 128,000 gpd. The major raw materials used are nickel, zinc and chrome plating solutions.

One grab sample and one composite sample were collected during the production day at the Wilkinson St. plant. The grab sample was obtained from a vent and the composite sample was taken at a manhole shown on the enclosed sketch.

As a form of wastewater treatment, the plating and cleaning tanks are diluted with water before they are discharged to the sanitary sewers.

R.E. Dietz Co. manufactures and constructs the lighting equipment at a separate facility located on Wolf St. At the Wolf St. plant the basic manufacturing process involves molding, machining and assembling various lighting parts. Wastewater originates from the sanitary facilities, boiler feed and cooling water utilized in the injection molding machines.

The Wolf St. facility also operates 5 days per week, 24 hours per day. An average of 55 persons are employed on the first shift with 4 persons on the second and third shifts. Approximately 23,900,000 gallons of municipal water is used per year or 32,000 gpd according to an average of the 1970, 1971 and 1972 water use records. The approximate production figure for both R.E. Dietz facilities is 16,000 pieces of lighting equipment per day.

One grab sample was collected during the production day at the Wolf St. plant. The sample location is shown on the enclosed sketch.

R.E. DIETZ CO.
SAMPLING SITES

LEAVENWORTH AVE.

SEW"3
● MH

R. E. DIETZ CO.

● SEW"1
VENT

WILKINSON ST.

R. E. DIETZ CO.
SAMPLING SITES

HIAWATHA BLVD.

SEW^{#4}
WELL

R. E. DIETZ CO.

6TH ST.

PARKING

WOLF ST.

ROCKWELL INTERNATIONAL
700 Marcellus Street
Syracuse, N.Y. 13201

Rockwell International is a widely known manufacturer of portable electric tools and accessories. The manufacturing process includes machining, cleaning, polishing, painting and finishing of metal tool parts. Industrial wastewater originates from the steam degreasing operation, air compressors, air conditioning and parts washing. The sanitary facilities also represent a source of wastewater.

Rockwell International operates 5 days per week, 24 hours per day. The plant employs 490 people on the first shift, 150 people on the second shift and 25 people on the third shift. Approximately 432 tons of nail stock, 240 tons of bar stock, 144 tons of sand castings and a variety of aluminum dies are the major raw materials utilized to produce 20,000 portable electric tool units per year. During the past three years, (1970, 1971, 1972), an average of 32,300,000 gallons of water was used per year or 129,200 gpd. The majority of the municipal water consumed is utilized in the cooling process and the sanitary facilities.

Three composite samples were collected throughout the production day. The samples, labeled SEW #1, SEW #2, and SEW #3 were taken from manholes shown on the enclosed sketch.

ROCKWELL INTERNATIONAL
SAMPLING SITES

SEW #1
MH

MARCELLUS ST.

• LICI ADDED HERE

SENECA ST.

ROCKWELL INTERNATIONAL

LICI ADDED HERE

LICI ADDED HERE

W. FAYETTE ST.

SEW #2
MH

SEW #3

ROLLWAY BEARING CO., INC.
Box 1397 (7600 Morgan Road)
Liverpool, New York 13201

Rollway Bearing Co., Inc. manufactures precision antifriction roller bearings. This process involves heat treating, sand blasting, cutting, grinding, etching and finishing metal bearings. Waste water originates from the metal etching process, quenching operations, washing operations, soluble coolants, laboratory testing and sanitary facilities.

This plant operates 5 days a week, 24 hours a day. There is a total of 625 people employed at this particular industry with 145 office employees and 480 hourly employees working a three shift basis. Water usage records for the past three and a half years indicate that an average of approximately 25 million gallons of water were consumed per year. This can be equated to a daily consumption of 100,000 gallons of water. For 1972, approximately 1,835,000 bearings were produced in this plant.

Sampling procedures consisted of a composite sample over a 24 hour production period. The composite samples were taken from a manhole on the sanitary line coming from the plant located behind the facility. (See enclosed sketch).

ROLLWAY BEARING CO., INC.
SAMPLING SITES

● SEW * I
MH

PARKING

ROLLWAY BEARING

MORGAN ROAD

ROTH BROS. SMELTING CORP.
Thompson Road
East Syracuse, New York 13057

Roth Bros. Smelting Corp. manufactures aluminum and zinc alloy ingots, caulking leads and solders. The manufacturing process involves melting and smelting non-ferrous metal alloys into specification alloy ingots for foundries and die casters. Roth Bros. Smelting Corp. produces approximately 15,000,000 lbs. of aluminum ingots, 750,000 lbs. of lead, 6,000,000 lbs. of scrap copper and 1,200,000 lbs. of scrap metals. Wastewater originates from the cooling of aluminum, zinc and lead ingots and sanitary facilities. Industrial wastewater also originates from the washing and cooling of gases generated by the wire burning and lead smelting operations. However, by December 1973 the washing operations will be converted into a dry scrubbing process which will eliminate washing wastewaters.

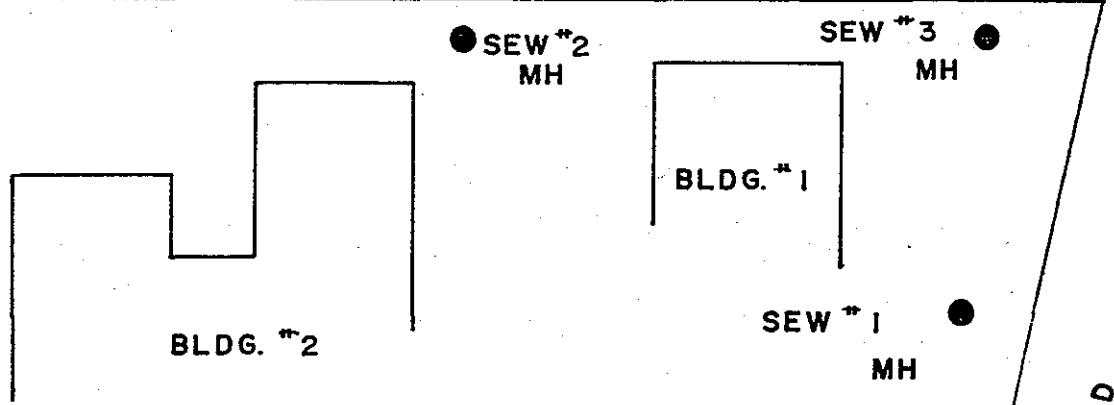
The plant operates 5 days per week, 20 hours per day. A total of 89 persons are employed during three shifts. An average of 16.4 MG of municipal water was utilized during the past three years or 66,000 gpd. Approximately 35% of the municipal water is used in the cooling procedures, 40% in the sanitary facilities and 25% in the scrubbing operations which will be reduced to 10% in December 1973. The major raw materials utilized per year are 18,000,000 lbs. of scrap aluminum, 4,900,000 lbs. of scrap lead, 300,000 lbs. of tin,

3,500,000 lbs. of zinc, 1,200,000 lbs. of scrap metals and
6,300,000 lbs. of scrap copper.

Altogether 5 composite samples and 1 grab sample were collected from three separate locations, designated SEW #1, SEW #2 and SEW #3. Two composite samples were obtained from each SEW #1 and SEW #2 while the grab sample and one composite sample were taken from SEW #3. Enclosed is a sketch showing sampling locations.

ROTH BROS. SMELTING CORP.
SAMPLING SITES

DRIVEWAY



THOMPSON
ROAD

SANFORD FIRE APPARATUS CORP.
Box 206 (Manlius Center Rd.)
East Syracuse, N.Y. 13057

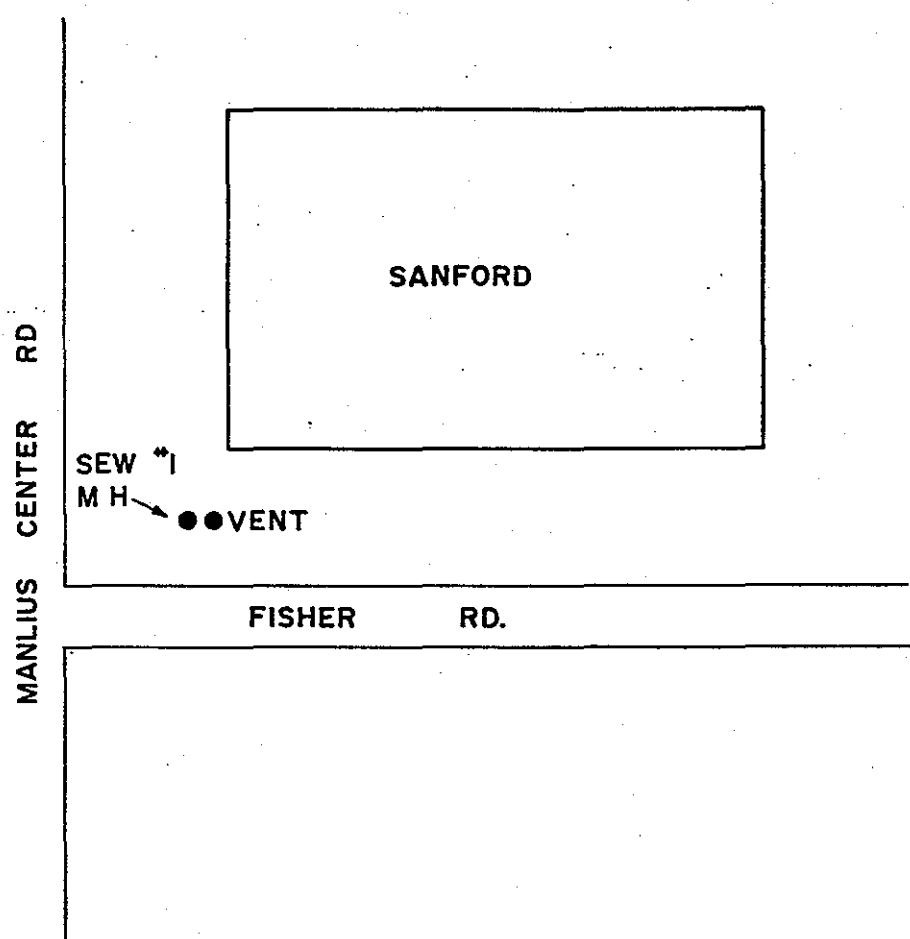
Sanford Fire Apparatus Corp. produces a variety of fire protection equipment as well as fire trucks and apparatus.

The welding and assembly of materials represents the largest portion of the process. The majority of the wastewater originates from the sanitary facilities, which discharges into a septic system. Wastewater also originates from fire truck testing which flows to a pit and does not discharge into a drain.

The plant is in operation 5 days per week, 8 hours per day. A total of 30 persons are employed full time. Water usage averages 392,000 gallons per year or 1,600 gpd. Various amounts of raw materials, such as, sheet metal and appropriate fire extinguishing chemicals are used per year.

A single grab sample was collected during the production day from a manhole near the building's entrance, as shown in the enclosed sketch.

SANFORD FIRE APPARATUS CORP
SAMPLING SITES



SCHROEDER MACHINES CORP.
New Court Ave.
Syracuse, New York 13206

Schroeder Machines Corp. primarily manufactures pneumatic packaging machinery. The manufacturing process is strictly a dry operation which involves the assembling of pre-fabricated parts into machinery. The entire amount of wastewater originates from the sanitary facilities.

Schroeder Machines Corp. employs 20 persons and operates 5 days per week, 8 hours per day. The municipal water consumption averages 75,000 gallons per year or 300 gpd. It was determined that wastewater samples would not be required from this industry because of the small amount of water utilized per year along with the dry manufacturing process.

SEVEN UP BOTTLING CO. OF SYRACUSE
1115 W. Genesee St.
Syracuse, N.Y. 13202

Seven Up Bottling Co. of Syracuse bottles a wide variety of carbonated beverages. The manufacturing process includes bottle rinsing, washing returnable bottles, mixing carbonated water and concentrated syrup in tanks and bottle capping. Wastewater originates from the sanitary facilities, bottle rinsing and returnable bottle washing operations and truck washing.

The plant operates 5 days per week, 8 hours per day. A total of 23 persons are employed on the first shift and only 2 persons on the second shift. Approximately 2,500,000 gallons of municipal water is utilized per year or 10,000 gpd. An average of 454,100 gallons of water is processed as part of the product each year. The cleaning and rinsing operations use 2,125,000 gallons while the sanitary facilities utilize 100,000 gallons per year. An estimated 738,000 gallons of product is produced per year. The raw materials used are carbonated water, 21,500 gallons of syrup and an alkali solution for washing bottles.

Four composite samples were collected during the production day. The sampling locations are shown on the attached sketch, in which SEW #1 is a floor drain in the warehouse and SEW #2 is a floor drain in the production building. The first day of samples, returnable bottles were not being processed while the second set of samples was taken when returnables were being processed.

SEVEN UP BOTTLING CO. OF SYRACUSE
SAMPLING SITES

SEVEN UP BOTTLING CO.

● SEW *2
VENT

● SEW *1
DRAIN

W. GENESEE ST.

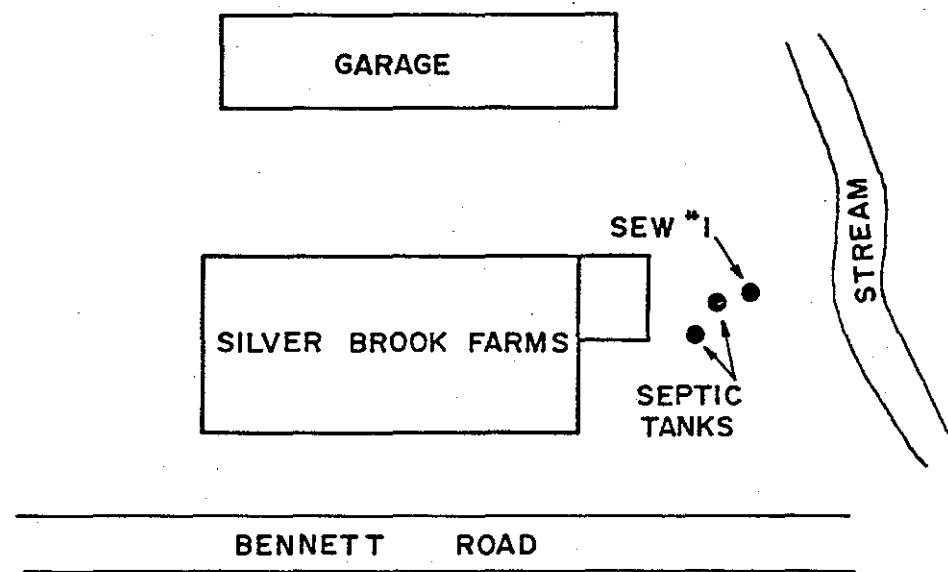
SILVER BROOK FARMS, INC.
103 Bennett Road
Camillus, N.Y.-

Silver Book Farms, Inc. primarily produces ice cream products in an assortment of flavors. The basic manufacturing process involves combining an ice cream mix with milk, packaging and storing the product in a freezer room. The wastewater originates from the sanitary facilities and from the cooling water used in the compressor units. The sanitary facilities and any process wastewater discharge to a septic system while the cooling water discharges directly into a nearby stream.

The plant operates a full 7 days per week, 13-14 hours per day. The average employment is 5 persons with a peak employment of 9 persons. Approximately 1,308,000 gallons of municipal water is utilized per year or 5,200 gpd. According to water use records, this current figure is more indicative of accurate water usage due to the reduction of water consumption within the past 2-3 years. The major raw materials used in the process are a variety of flavored ice cream mixes and a milk product.

One grab sample was collected from the compressor cooling water discharge. The sample was taken at the discharge pipe along side the stream, as shown on the enclosed sketch.

SILVER BROOK FARMS, INC.
SAMPLING SITES



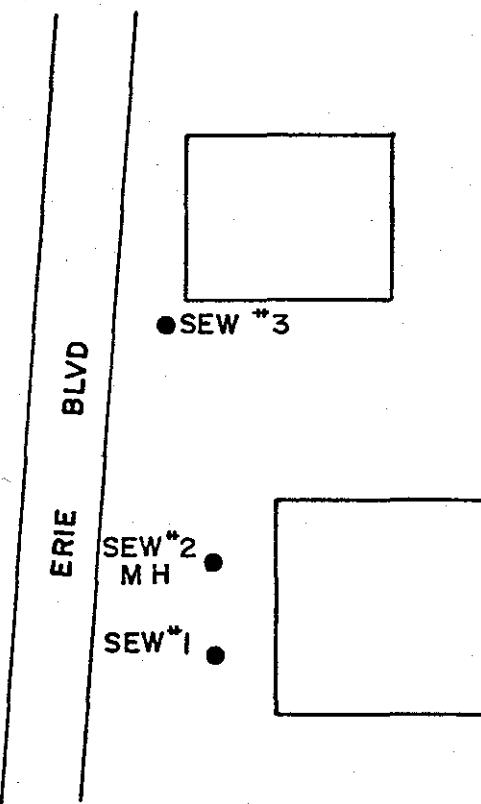
SIMS CASTINGS CORP. AND SIMS MATCHPLATE CORP.
2176 East Erie Blvd.
Syracuse, New York 13224

Sims Castings Corp. and Sims Matchplate Corp. are separate industries combined under one management within one building. The industries manufacture a variety of precision aluminum castings and permanent mold dies. The fabrication process is predominantly similar to a small foundry and machine shop operation. Molten aluminum is poured into molds to produce various precision castings which are cooled and machined into finished products. The machining operation involves parts grinding, drilling and chipping. The majority of wastewater originates from the compressors cooling water and the sanitary facilities.

The plants are in operation 5 days per week, 10 hours per day with an average employee force of 109 persons. An estimated 2,459,500 gallons of water is utilized per year or 13,800 gpd. The majority of raw materials consist of 43 tons of aluminum per year.

Altogether, two composite samples and one grab sample were collected during the production day. One composite sample, labeled SEW #1, was taken from a vent, while the other composite sample, SEW #2, was obtained from a manhole. The grab sample, designated SEW #3, was taken from a square vent, as shown on the enclosed sketch.

**SIMS CASTING CORP
SAMPLING SITES**



SNO-BIRD F.F. DEL. CO.
Clinton Street
East Syracuse, New York

Sno-Bird F.F. Del. Co. basically stores, purchases and distributes ice cream products. Since no manufacturing process occurs at the facility, the only source of wastewater originates from the sanitary facilities and the wash water used to clean the 20 vending trucks.

Sno-Bird F.F. Del. Co. operates 5 months per year, May through September. An average of 26 persons are employed 5 days per week, 8 hours per day. Because of the minimal water usage, lack of manufacturing process and extremely short operating season, wastewater water samples were not collected from this facility.

SPENO, FRANK, R.R. BALLAST CLEANING CO., INC.
Box 219 (Clark Street)
East Syracuse, New York 13057

Speno, Frank, R.R. Ballast Cleaning Co., Inc. manufactures machinery for cleaning railroad ballast and grinding rails. Basically, the production process involves assembling pre-fabricated metal parts into finished equipment. The pre-fabricated metal parts also undergo some light machining and tooling before being assembled. Wastewater originates from the lavatories only and discharges into a septic tank system. Any wastewater, from the equipment washing operation, containing oil and grease is dumped upon the ground.

The plant operates 5 days per week, 8 hours per day. An average of 25 persons are employed full time. The municipal water use records, containing the yearly water consumption, were not available. However, because the municipal water is only utilized in the sanitary facilities and discharged to a septic tank, the amount is negligible and unnecessary to record. Pre-fabricated metals represent the major raw materials used in the process.

One grab sample was collected during the production day from the septic tank located in front of the building along side the parking lot. Wooden planks cover the septic tank, easily identifying its location.

STANTON FOUNDRY
3004 Milton Ave.
Solvay, New York

The Stanton Foundry manufactures gray iron and semi-steel castings. This is a typical foundry operation where pig and scrap iron is melted down to be used in sand molds to produce various metal castings. Molding, shopblasting, grinding, and chipping are characteristic operations. The majority of wastewater discharge originates from the cooling water used for the compressor units and from sanitary facilities.

This industry operates usually 5 days per week, 9 hours per day. There are two shifts. The first shift has 95 people working while the second shift has approximately 10 people employed. It has been noted that in the fiscal year ending April, 1973, approximately 5.3 million pounds of steel and iron castings were produced from the raw materials of pig iron, steel scrap, iron and coke. Water usage records for the past three years indicate that on the average 6,100,000 gallons of water are used per year. It had been indicated that this plant's water usage would increase due to the present installation of air pollution equipment, a dust removal tower. This process would use an estimated 28 gallons of water per min. that would be lost to evaporation. This, however, should not affect wastewater discharge because any wastewater collected would be recycled.

Sampling of this industry was of the composite type. A composite sample was taken from a manhole, located on the west side of the plant adjacent to the men's lockerroom for one day's production period. This composite sample included the wastes from the sanitary facilities. The cooling water was found to discharge to the stream adjacent to Stanton Foundry, therefore, this discharge was not sampled.

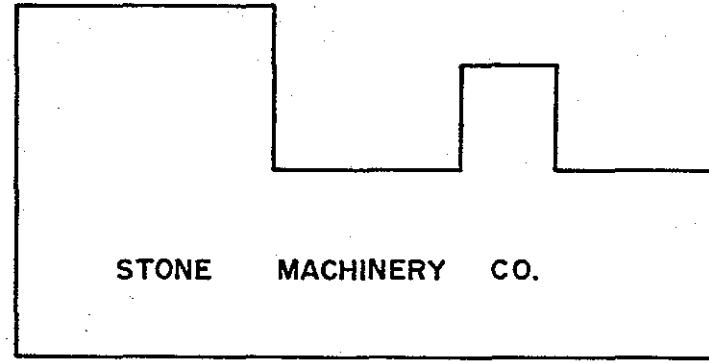
STONE MACHINERY, DIVISION OF KYSOR INDUSTRIAL CORP.
316 Fayette Street
Manlius, New York 13104

Stone Machinery, Div. of Kysor Industrial Corp. manufactures high speed cutoff machines, stop chokes, double miters, traverse, abrasive and diamond wheels and steel sawblades. The major production process is 80% assembly of various tool parts and some manufacturing of castings. Wastewater originates from the sanitary facilities discharging into the municipal sewers.

The plant is in operation 5-1/2 days per week, 8-1/2 hours per day. An average of 40 persons are employed with a peak employment of 45 persons. During 1972 water consumption was 851,000 gallons per year of 3,400 gpd. Approximately 80 tons of steel is used as the major raw material in a given year.

One grab sample was obtained during the production day from a vent near the main entrance of the building. The sample location is shown on the enclosed sketch.

STONE MACHINERY CO.
SAMPLING SITES



SEW *I • VENT

PARKING LOT

FAYETTE ST.

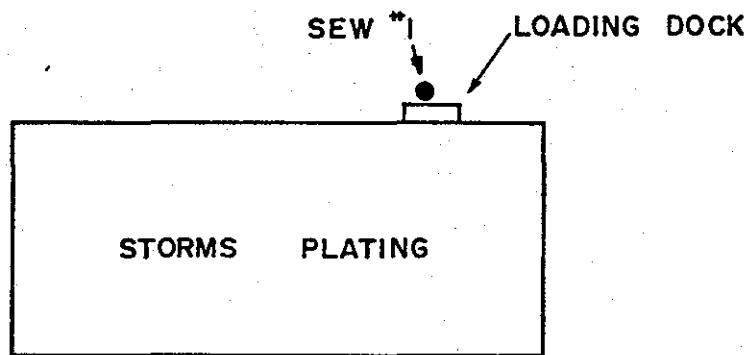
STORMS PLATING INC.
1129 N. State Street
Syracuse, N.Y. 13208

Storms Plating Inc. offers commercial and industrial plating services according to specific customer instructions. Metal parts are first cleaned in an alkaline solution and then dipped in a mild acid bath for neutralizing purposes. The parts are then electroplated with zinc, copper, nickel or cadmium and rinsed prior to packaging. Wastewater originates from the sanitary facilities, alkaline cleaning process, neutralizing acid procedure and metal plating and rinsing operations. The wastewater drains through a catch basin before entering the sanitary sewer line.

The plant is in operation 5 days per week, 8 hours per day. An average of 6 persons are employed with a peak employment of 8 persons. The municipal water usage averages 3,397,500 gallons per year or 13,600 gpd. The majority of the municipal water is utilized in the plating process. The raw materials used per year consist of 2,000 lbs. of zinc, 400 lbs. of copper, 200 lbs. of cadmium and nickel, hydrochloric acid and alkaline cleaning solutions.

One composite sample was collected during the production day. The sample was taken from the catch basin located behind the building as shown on the enclosed sketch.

**STORMS PLATING INC
SAMPLING SITES**



N. STATE ST.

STRATHMORE PRODUCTS, INC.
1970 W. Fayette St.
Syracuse, N.Y.

Strathmore Products, Inc. produces chemical coatings, lacquers, enamels, house paints and maintenance coatings at the Woodard Park and Fayette St. plants.

The manufacturing process is similar at both plants and primarily involves mixing proper paint ingredients and packaging the mixtures in containers. At both plants the wastewater originates from the sanitary facilities and cooling process. However, at the Fayette Street facility wastewater also originates from a tank washing operation.

The Fayette Street plant operates 5 days per week, 8 hours per day. A total of 20 persons are employed full time. The municipal water usage during the past 3 years, (1970, 1971, 1972) averages 1,154,000 gallons per year or 4,600 gpd. Approximately 55,000-60,000 gallons of water is utilized per year as part of the product. The raw materials used are lacquer bases, enamels, a variety of color pigments and water.

One grab sample was collected during the production day from the Fayette Street plant. The sample was taken from a tank within the building prior to discharging it after treatment.

The Fayette Street plant is the only facility treating its wastewater. Wash water is collected in 400 gal. holding tanks where ferric ammonium sulfate is added. The wastewater is then diluted and discharged when the heavy contaminant particles settle out.

Strathmore - Continued

STRATHMORE - WOODARD

The Woodard Park plant is in operation 5-6 days per week, 8-1/2 hours per day.

A total of 25 persons are employed full time. The municipal water usage during the past 3 years, (1970, 1971, 1972), averages 825,000 gallons per year or 3,300 gpd. A portion of municipal water is processed as part of the product. The raw materials utilized are similar to the substances used at the Fayette Street plant.

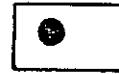
Wastewater from the cooling process is discharged directly to a leach field while the sanitary facilities empty into the sanitary sewer system. It was not necessary to collect any samples at the Woodard Park plant.

STRATHMORE PRODUCTS INC.
SAMPLING SITES

W. FAYETTE ST.

STRATHMORE PRODUCTS

SEW⁺I
HOLDING
TANK



ERIE BLVD. WEST

SUPER HEAT TREATING, INC.
3605 James Street
Syracuse, New York 13206

Super Heat Treating, Inc. provides a commercial heat treating service for metal parts and fixtures. The basic process involves heating metals at an extremely high temperature to strengthen and temper each part. The wastewater originates from the sanitary facilities and the cooling water discharge. The sanitary facilities discharge directly into the plant's own septic system and the cooling water is discharged through a pipe on the side of a hill and out into a swampy marsh. Wastewater, of any kind, is not discharged to the municipal sewer lines.

Super Heat Treating, Inc. operates 5 days per week, 16 hours per day. A total of 14 persons are employed at the plant working in two shifts. The average water usage per year is 24,000,000 gallons or 95,000 gpd. The majority of the water utilized, (99%), is fed into the cooling process. The raw materials used each year varies according to the type and amount of metals being processed.

A single grab sample was collected during the production day from a pipe discharging cooling water outside the rear of the building.

SYRACUSE CASTING CORP.
420 Marcellus Street
Syracuse, New York 13204

Syracuse Casting Corp. is basically a machine shop operation for gray iron and municipal castings. The process involves machining, heat treating and finishing pre-fabricated castings from various foundries. The rough castings are ground, chipped and shaped into finished castings. The machining process is primarily a dry operation, therefore, the sanitary facilities represent the only source of wastewater.

Syracuse Casting Corp. operates 5 days per week, 8 hours per day. The plant employs a total of 11 persons. The municipal water usage is utilized entirely in the sanitary facilities, therefore, the amount of water entering the plant is quite negligible. Perhaps the largest amount of raw material used for machining is pre-fabricated gray iron castings.

Two grab samples were taken during the production day. Both grab samples were collected from separate manholes along Marcellus Street upstream and downstream, respectively, of discharge point. Enclosed is a brief sketch showing the different sampling locations.

**SYRACUSE CASTINGS
SAMPLING SITES**

SEW "2

MARCELLUS ST.

SEW "1

**SYRACUSE
CASTINGS
CORP**

SYRACUSE CHINA CORPORATION
2900 Court Street
Syracuse, New York 13208

Syracuse China Corporation manufactures a large variety of ceramic dinnerware. The primary manufacturing process involves the clay body preparation and shaping, kiln processing, porcelain finishing and ware washing. Industrial wastewater originates from the cooling water, boiler feed and process water and is discharged into a nearby creek after being passed through settling ponds. Sanitary facilities, discharging into the sewer system, also represent a source of wastewater.

The plant is in operation 5 days per week, 16 hours per day. An average of 705 persons are employed on the first shift, 107 persons on the second shift and only 6 persons on the third shift. An additional 97 persons are also employed in the office. Water records for 1971 indicate that 91.7 million gallons of water were used, or an average flow of approximately 367,000 gpd. The raw materials consist of clay and porcelain finishing solutions.

Two composite samples were collected from a manhole located behind the building on the sanitary sewer line as shown on the enclosed sketch.

The plant utilizes settling ponds as a form of wastewater treatment. Heavy clay particles and solids are settled out before the treated wastewater is discharged to the creek.

**SYRACUSE CHINA CORPORATION
SAMPLING SITES**

COURT ST.

PARKING

SYRACUSE CHINA

MH ● SEW "I"

— x — x — x — x — x — x —

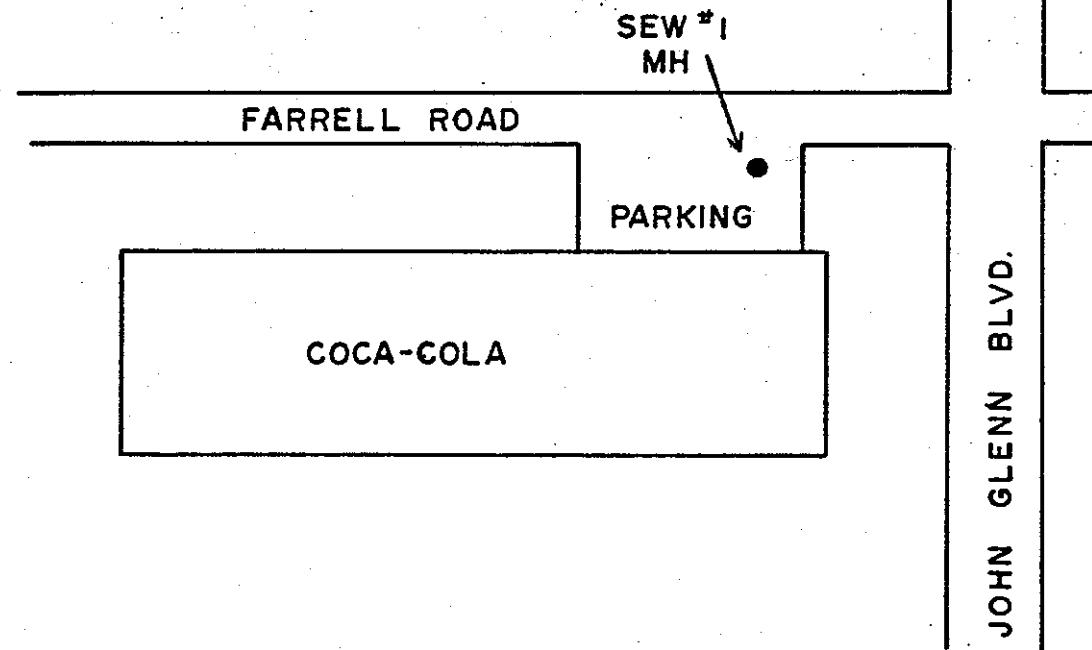
SYRACUSE COCA-COLA BOTTLING CO.
John Glenn Highway and Farrell Rd.
Syracuse, New York 13211

Syracuse Coca-Cola Bottling Co. bottles and cans carbonated beverages of various assorted flavors. The basic manufacturing process includes bottle pre-washing, the addition of carbonated water and concentrated syrup in tanks, bottle capping and can sealing and then packaging. Wastewater originates from the tanks and returnable bottle washing operation, cooling water, truck washing and rinsing, water treatment sludge and filter backwash waste.

The plant is in operation 5 days per week, 13 hours per day. A total of 100 people are employed on the first shift with only 4 people on the second shift. The raw materials utilized consist of concentrated syrup and carbonated water producing an average of 16,000 cases of carbonated beverages per ~~year~~^{day}. During 1971 and 1972 the municipal water consumption averaged 24,687,700 gallons per year or 98,750 gpd. Approximately 8,264,692 gallons of water per year is utilized as part of the product while the remaining 16,423,008 gallons of water is used in the cooling, sanitary and process operations.

Two composite samples were taken during separate production days. Both samples were collected within the same manhole in the visitors parking area. One composite was taken during the bottling operation while the other composite was obtained during the canning process. The sampling location is shown on the enclosed sketch.

**SYRACUSE COCA-COLA BOTTLING CO.
SAMPLING SITES**



SYRACUSE DIE CASTING AND MFG. CO.
2101 Teall Avenue
Syracuse, N.Y. 13206

Syracuse Die Casting and Mfg. Co. produces aluminum and zinc die castings for specific customers. The process involves melting metal alloys, injecting the liquid into casts and cooling the casts. Other processes include chipping, grinding and finishing the metal castings. The wastewater originates from the sanitary facilities and is discharged to the storm sewer. Cooling water is entirely on a closed recirculation system, therefore, it is not discharged.

The plant operates 5 days per week, 8 hours per day. An average of 10 persons are employed upon the first shift and 5 persons on the second shift. During 1972, approximately 6,900 gallons of water was utilized, averaging 27 gpd. The raw materials used annually are aluminum - 200,000 lbs. and zinc - 40,000 lbs.

Two grab samples were taken during the production day. Grab sample #1 was collected from a cooling water tank within the building. Grab sample #2 was taken from a vent in the parking lot. Enclosed is a sketch showing the locations of the sampling sites..

SYRACUSE DIE CASTING & MFG. CO.
SAMPLING SITES

DELMAR PLACE

SEW "2
COOLING TANK

SYRACUSE DIE CASTING

SEW "1 VENT

TEALL AVE.

SYRACUSE ELECTRONICS CORPORATION
Box 566,60 Boyd Ave.
Syracuse, New York 13201
(Subsidiary of Pass & Seymour)

The Syracuse Electronics Corporation manufactures electronic components and systems. They also produce photoelectric controls, temperature controls, variable speed drives and numerous other products. The major process in this plant is assembly of electrical components. This is a dry operation. There is no process water at this plant. The only source of wastewater is the sanitary facilities.

This industry employs 70 people on a 8 hour work shift, 5 days a week. Being a subsidiary of Pass & Seymour, Inc. and located in an adjacent building to Pass & Seymour, the water usage records are included with that of Pass & Seymour Inc.

No sample of any type was obtained from this plant due to the fact that their operation is very dry and sanitary facilities are defined as the only source of wastewater discharge which are combined with those from Pass & Seymour, Inc.

SYRACUSE GAUGE CO., INC.
1001 East Hiawatha Blvd.
Syracuse, New York 13206

Syracuse Gauge Co., Inc. produces tire pressure gauges, air hose chucks and fittings, tire valve caps and automatic quick couplers. The raw materials utilized are prefinished, therefore, the production process involves only assembling, testing and packaging. Wastewater originates from the sanitary facilities and air conditioner cooling water.

Syracuse Gauge Co., Inc. employs 16 persons 5 days per week, 8 hours per day. The municipal water consumed during 1972 averages 900,000 gallons per year or 3,600 gpd.

Wastewater samples were not collected from Syracuse Gauge Co., Inc. primarily because of the relatively dry processing operation at this plant.

SYRACUSE HEAT TREATING CORPORATION
Interstate Island Park
Syracuse, New York

Syracuse Heat Treating Corporation provides commercial heat treating and brazing services. This particular industry deals with basically ferrous metals and a small amount of aluminum. Sources of wastewater are derived from cooling and quenching operations, from a small test laboratory, and from the sanitary facilities. Only a small percentage of the water used for cooling and quenching purposes is discharged due to the installation of a recirculating system. Only overflow and makeup water from this operation is discharged to the storm sewer. The sanitary wastes and any wastes from the test laboratory are discharged to the sanitary sewer.

Syracuse Heat Treating Corporation operates 5 days per week, 8 hours per day. This industry employs 20 people on the first shift and 7 people on the second shift. Municipal water usage records indicate that during 1971 and 1972 this industry used on the average of 10,200,000 gallons per year or 41,000 gpd. However, due to the previously mentioned recirculating system, water comsumption has been reduced to approximately 2,000,000 gallons per year or 8,000 gpd.

Sampling procedures for this industry included composite and grab samples. A 24 hour composite sample was attempted on the sanitary line coming from the building. The discharge through this line was found to be quite minimal. A 24 hour

composite sample plus two grab samples were taken from the discharge that eventually empties into the storm sewer. (See enclosed sketch).

SYRACUSE HEAT TREATING CORP.
SAMPLING SITES

NYS THRUWAY

ROUTE 48

SYRACUSE
HEAT
TREATING
SEWTM I
(STORM
DRAIN)

SYRACUSE METAL MECHANICS
6940 Fly Road
East Syracuse, New York 13057

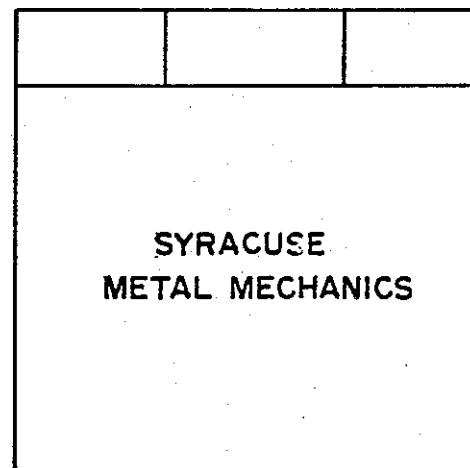
Syracuse Metal Mechanics manufactures plastic molds, jigs, fixtures and dies. The industry also specializes in mechanical or hand engraving and experimental work. A description of the process includes the cutting, grinding, drilling and assembly of metal parts into finished products. The majority of the wastewater originates from the sanitary facilities and machinery cooling water. The wastewater discharges directly to a septic tank system, since there is no municipal sewer line in the area.

The plant is in operation 5-6 days per week, 8 hours per day. Syracuse Metal Mechanics employs a total of 30 people full time. An average of 276,000 gallons of municipal water is used per year or 1,100 gpd. The water is utilized in the cooling and sanitary systems.

One grab sample was collected during the production day from a vent behind the building. The sample was taken from the septic tank system, as shown on the enclosed sketch.

**SYRACUSE METAL MECHANICS
SAMPLING SITES**

SEW "I"



PARKING

FLY ROAD

SYRACUSE OLD FASHION BEVERAGES INC.
2001 Lemoyne Avenue (Royal Crown)
Syracuse, New York 13211

Syracuse Old Fashion Beverages, Inc. produces a variety of soft drinks and syrups. The manufacturing process involves mixing syrups, bottling soft drinks, and distribution to local users. Wastewater originates from bottle washing and rinsing processes and some spillage.

The plant is in full production 3-4 days a week, 8 hours a day. Approximately 15 people are employed there. For 1972, water usage records revealed that 2,145,000 gallons were used. However, for the first 5 months of 1973, 785,000 gallons of water were used. There is a marked decrease of water usage over the 1972 figures. This decrease is attributed to repair of several leaks in the water line. It has been assumed that in the production of soft drinks that 80% of the water intake becomes part of the product, while the remaining 20% is thought to be wastewater.

A composite sample of this plant's wastewater was taken over a period of one production day. This sample was taken from a catch basin where wastewater from small floor drains collects and runoff from washing process is discharged.

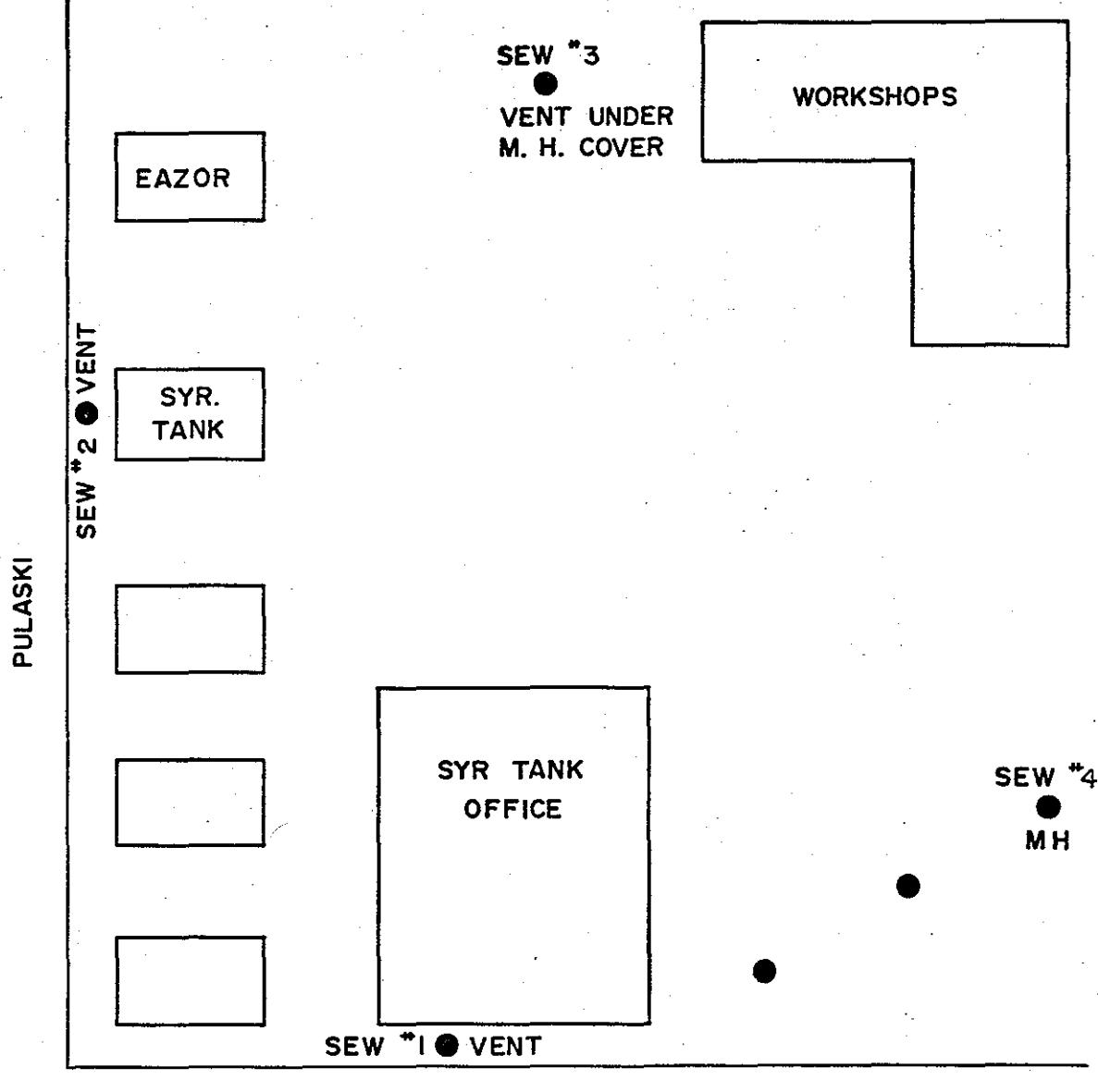
SYRACUSE TANK AND MFG. CO., INC.
723 Hiawatha Blvd.
Syracuse, N.Y. 13204

Syracuse Tank and Mfg. Co., Inc. specializes in tank construction and fabricating corrugated metal pipe. The major manufacturing process consists of welding structures together and coating the finished product with tar. The majority of wastewater originates from the sanitary facilities. A minimal amount of process water is combined with air and soap and utilized in tank testing.

The plant operates 5-1/2 days per week, 8 hours per day. An average of 65 persons are employed at the plant. During 1972, water usage averaged 1,294,000 gallons per year or 5,200 gpd. The raw materials utilized are corrugated metal sheets and steel.

Initially, four sites were chosen to obtain grab samples. However, designated SEW #1, in front of the building was clogged and no sample was taken. The remaining three sample sites, SEW #2, SEW #3 and SEW #4, are shown on the accompanying sketch.

SYRACUSE TANK & MFG CO. INC.
SAMPLING SITES



HIAWATHA BLVD.

SYROCO DIV. - DART IND.
State Fair Blvd.
Baldwinsville, N.Y.

Syroco Div. -Dart Ind. manufactures custom molded plastic parts and decorative home accessories. Molten plastics are poured into a variety of designed molds and cooled to hardness. The plastic design is painted or finished and then packaged. Cooling water and sanitary water represent the primary sources of wastewater.

The plant is in operation 7 days per week, 24 hours per day. An average of 25,923,000 gallons of water is used per year or 103,700 gpd. The raw materials utilized consist of ABS plastic - 2,504,445 lbs. per year, pelletized polystyrene - 1,595,800 lbs. per year, paints, lacquers, wooden parts, mirrors, electric clock movements and cartons. The majority of the water consumed is fed through as cooling water for the plastic molds.

A single composite sample was collected during the production day from a manhole near the buildings' north wall. (see enclosed sketch for sample location)

**SYROCO DIV-DART IND.
SAMPLING SITES**

SYROCO

• SAMPLE HERE

STATE FAIR BLVD.

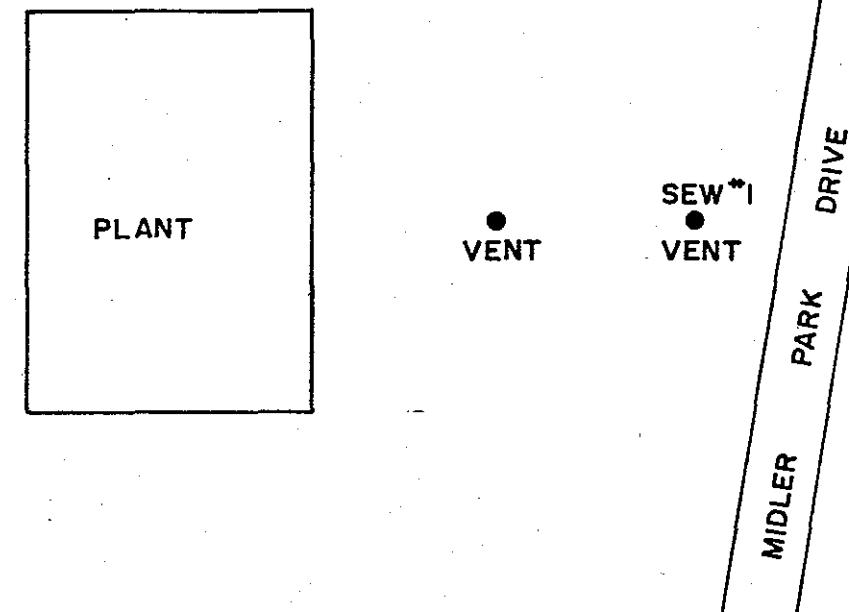
TERRELLS POTATO CHIP CO. INC.
Box 151 (Midler Park Drive)
DeWitt, N.Y. 13214

Terrells Potato Chip Co. Inc. is primarily involved in the processing of potato chips. Raw potatoes are first washed and sliced, then washed again before they are cooked and seasoned. Wastewater originates from the sanitary facilities and from the process water. Washwater, containing starch and dirt is discharged to a central collection channel in the plant and diverted to the sewer system.

The plant is in operation 5 days per week, 8 hours per day. An average of 23 persons are employed at the plant with 12 persons also employed as sales personnel in the field. The plant utilizes 4 million gallons of water per year averaging 16,000 gpd. An estimated 3,800,000 gallons of water is utilized in the manufacturing process per year with only 200,000 gallons of water per year used in the sanitary facilities. An unknown quantity of well water is also used to wash the potatoes. The majority of the raw materials utilized consist of seasonings, cooking oil and a large supply of raw potatoes.

Two composite samples were taken during the production day. The sampling took place from a vent outside the building as shown on the enclosed sketch.

TERREL'S POTATO CHIP CO. INC.
SAMPLING SITES



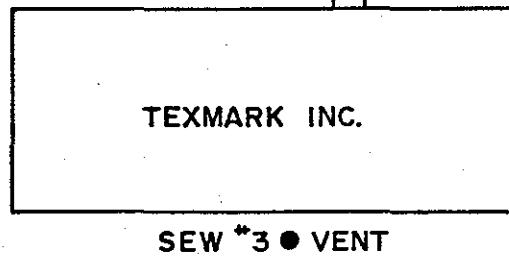
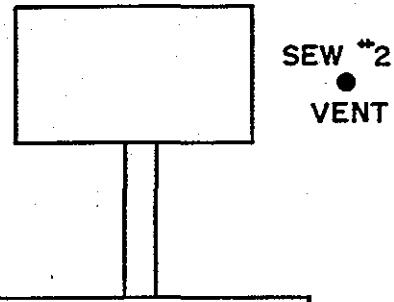
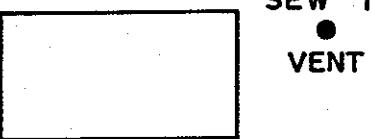
TEXMARK, INC.
2204 Erie Blvd. E.
Syracuse, N.Y. 13224

Texmark Inc. manufactures a variety of machinery for marking, sealing, cutting and folding purposes. Paper, cloth and plastics are cut and rolled into supplies for use in the marking equipment. Steel is fabricated with welding and cutting machinery into marking and sealing machinery. Other processes include precision tooling and packaging. Wastewater originates from the sanitary facilities, spot welder coolers, laboratory laundry washers, painting process and rinsing of mixing room wash.

Texmark operates 5 days per week, 8 hours per day. A total of 125 persons are employed full time. The raw materials utilized per year consist of, sheet steel - 100 tons, cast iron castings - 20 tons, cast aluminum castings, 6 tons, steel bar stock - 10 tons, hot rolled steel plate - 10 tons, paper - 60 tons, cloth - 150,000 yards and plastic film - 7.5 tons. During the past three years, an average of 397,900 gallons of water was utilized per year or 1,600 gpd.

One grab sample and one composite sample was taken during the production day. The composite sample, labeled SEW #1, was obtained from a vent discharging sanitary and washing machine wastes. The grab sample, labeled SEW #2, was collected from the spot welder bleed off within the building. Sampling locations are shown on the enclosed sketch.

**TEXMARK INC.
SAMPLING SITES**



ERIE BLVD.

THOMAS FOUNDRY, INC.
Box 55 Eastwood Station
(Lamson Corp. Bldg.)
Syracuse, New York 13206

Thomas Foundry, Inc. produces a variety of aluminum and bronze castings from sand molds. The manufacturing process is similar to a small foundry-type operation where molten metals are poured into molds, cooled and machined into finished castings. Wastewater originates entirely from the sanitary facilities.

The plant operates 5 days per week, 8 hours per day and employs 15 people. Water usage was difficult to determine for Thomas Foundry since the municipal water used is recorded on the water meter located in the nearby Lamson Corp. Bldg.

Wastewater samples were not necessary to obtain from Thomas Foundry due to lack of industrial wastewater and minimal water usage.

THOMPSON AND JOHNSON EQUIPMENT
6926 Fly Road
East Syracuse, New York 13057

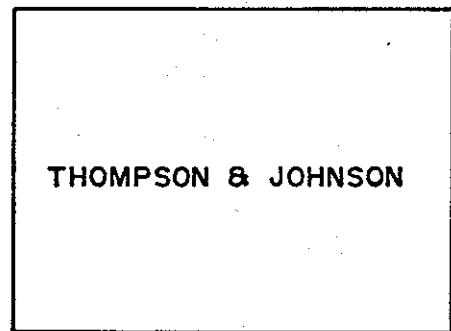
Thompson and Johnson Equipment is basically a repair shop for fork lift trucks as well as a local distributor (sales and rental) of fork lift equipment. The shop is primarily responsible for maintaining and replacing broken parts on fork lift trucks. The replacement parts are obtained from manufacturing distributors and not produced at the shop. Because no manufacturing processes are involved, the majority of the wastewater originates from the sanitary facilities and steam cleaning operation. The wastewater discharges directly to a septic tank system and then drains through a tile leech field.

Thompson and Johnson operate 5 days per week, 8 hours per day. A total of 45 persons are employed at the shop. During 1972, the municipal water usage averaged 346,000 gallons or 1,380 gpd. The majority of the water is utilized in the steam cleaner which has a maximum capacity of 300 gallons per hour and is operated 2 hours per day.

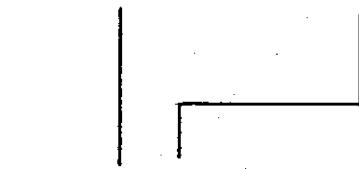
One grab sample was collected from a vent upon the front lawn, as shown on the enclosed sketch.

The wastewater is treated with a water chlorinator in the septic tank before it is drained to the leechfield. This process reduces large quantities of bacteria in the wastewater.

**THOMPSON & JOHNSON EQUIP.
SAMPLING SITES**



SEW "I"
VENT



FLY ROAD

THOR METAL PRODUCTS CO., INC.
Box 218 East Molloy Road
Syracuse, New York 13206

Thor Metal Products Co., Inc. manufactures heating and roofing supplies, electronic air cleaners, baseboard radiation and gas vents. The production process involves cutting, stamping, forming, bending and welding sheet metal into finished parts. Wastewater originates from the sanitary facilities and cooling water utilized in the spot welders and air compressor.

Thor Metal Products Co., Inc. employs 60 persons and operates 5 days per week, 8 hours per day. The municipal water consumption averages 55,000 gallons per year or 220 gpd.

Thor Metal Products Co., Inc. discharges a minute amount of industrial wastewater. As a result of the dry production process, the industry was not sampled.

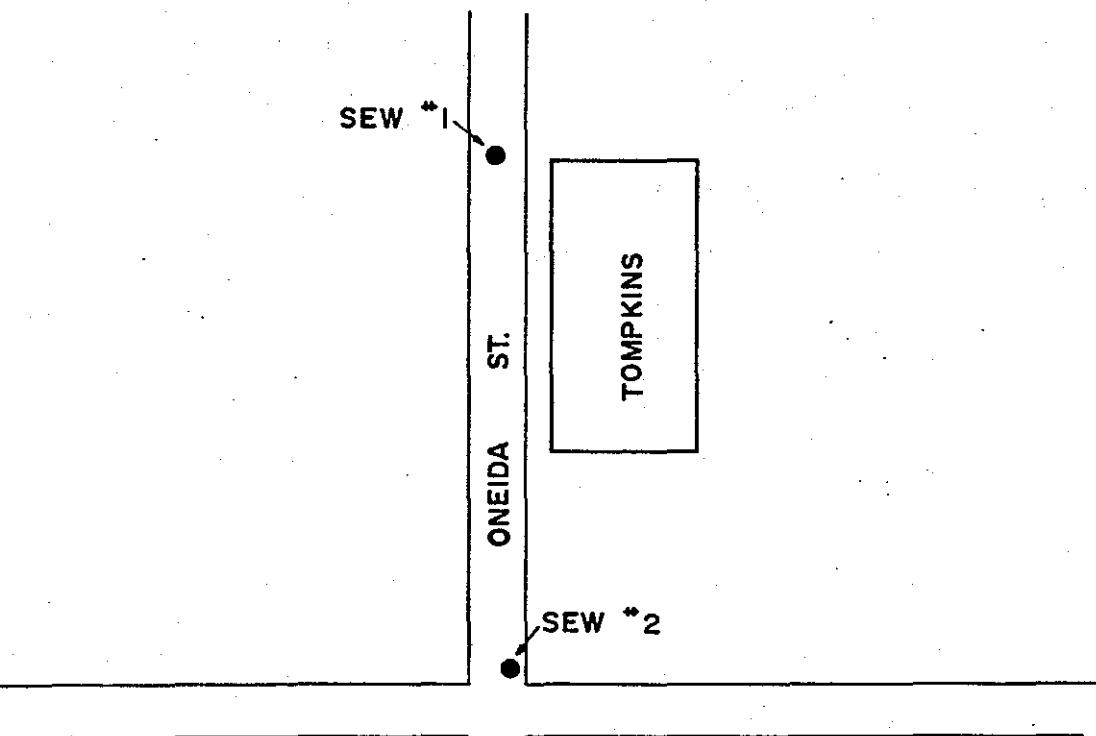
TOMPKINS BROS. CO., INC.
623 Oneida Street
Syracuse, New York

Tompkins Bros. Co., Inc. manufactures circular knitting machines and replacement parts. Pre-fabricated metals and plastics are cut, ground and shaped into parts which in turn are assembled into knitting machinery. Primarily, the production process involves the light machining and assembly of parts. Wastewater originates from the sanitary facilities and boiler blowdown.

The plant is in operation 5-1/2 days per week, 8 hours per day. The number of employees averages 30 persons during the work day. Approximately 76,000 gallons of municipal water was utilized during 1972 or 300 gpd. The major raw materials used are pre-fabricated metals and plastics.

Two grab samples were taken during the production day. Grab sample #1 was obtained from a manhole in the middle of Oneida Street while grab sample #2 was taken from a manhole on the corner of Oneida and Tallman Sts. upstream and downstream respectively of connection to sewers. (See enclosed sketch for sampling locations).

**TOMPKINS BROS.
SAMPLING SITES**



UNION CARBIDE CORP., LINDE DIV.
Boxwood Lane, Midler Park
P.O. Box 95
Eastwood Station 13206

Union Carbide Corp., Linde Div. produces acetylene gas.

The gas is produced by combining carbide and water to make the acetylene gas and a lime slurry. The acetylene gas is bottled in small cylinders and the lime slurry is pumped to a settling pond. Heavy particles are allowed to settle in the pond and the remaining process water is recirculated back to the process operation. Wastewater originates from the sanitary facilities, process water and cooling water. The cooling water, however, is also recirculated back into the cooling system.

The plant is in operation 5 days per week, 13 hours per day. An average of 15 persons are employed full time. During 1971 and 1972 the municipal water usage has averaged 2,590,500 gallons per year or 10,360 gpd. Approximately 1,700,000 gallons of water is utilized per year in the process operation and 250,000 gallons per year of water is used in the sanitary facilities. The raw material used is represented by 850 tons of calcium carbide per year.

Two composite samples were collected during two separate production days. Both samples were taken from a manhole near the plant as shown on the enclosed sketch.

UNION CARBIDE CORP LINDE DIV.
SAMPLE SITES

BOXWOOD LANE

PLANT

SEW "I"

VEGA INDUSTRIES, INC.
East Brighton and Glen Ave.
Syracuse, New York

Vega Industries, Inc. produces circulating heat fireplaces, sidewalk curb, gutter forms, road forms and airport lighting equipment. The basic manufacturing process consists of metal plate fabrication into finished parts. Wastewater originates from the sanitary facilities.

Vega Industries, Inc. operates 5 days per week, 8 hours per day and employs 150 persons with a peak employment of 165 persons. The municipal water usage averages 1,600,000 gallons per year or 6,400 gpd.

The fabrication process is a relatively dry operation utilizing a minimal amount of municipal water. Therefore, it was not necessary to collect any wastewater samples from this industry.

WALKER, CORP. AND CO. INC.
N. Collingwood Ave. and Easthampton Pl.
Syracuse, N.Y. 13206

Walker, Corp. and Co. Inc. produces a wide range of pharmaceutical supplies.

The basic process includes compounding, mixing, compressing tablets and drying pharmaceutical ingredients into tablets, creams and ointments. The majority of wastewater originates from the sanitary facilities and from the washing of mixing tubs and chemical residues on the lab equipment. Cooling and boiler water is recycled. However, a minimal amount of wastewater may originate from the boiler bleed off or overflow.

The plant operates 5 days per week, 7-1/2 hours per day. An average of 22 persons are employed at the plant. During the past two years an average of 175,780 gallons of water was used per year averaging 700 gpd. A variety of pharmaceutical chemicals, creams and ointments are utilized as raw materials.

A single grab sample was taken during the production day from a sanitary vent shown in the enclosed sketch.

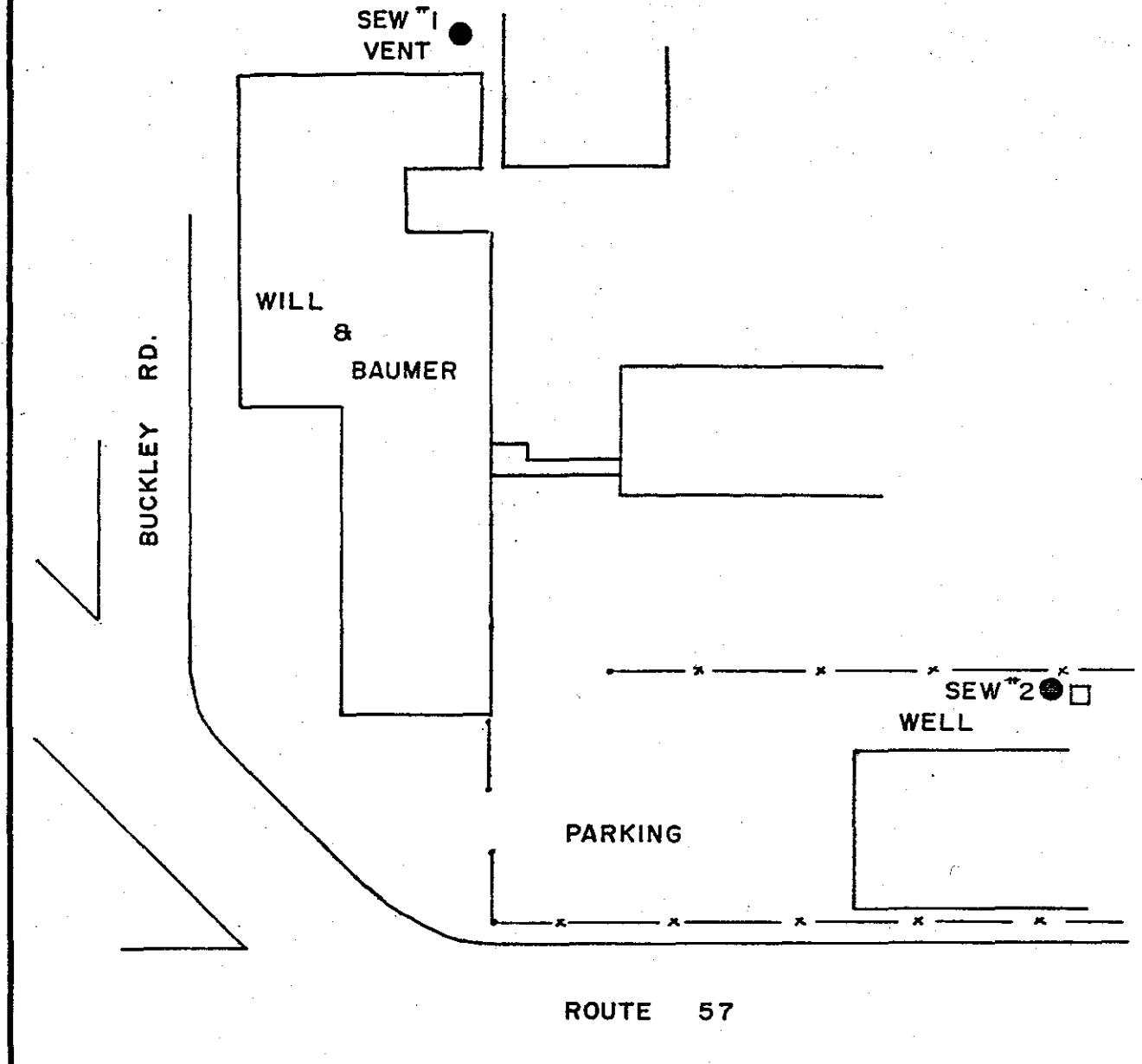
WILL & BAUMER CANDLE CO., INC.
Box 711 (Park St. & Liverpool Road)
Syracuse, New York 13201

Will & Baumer Candle Co., Inc. produces a wide variety of molded decorative candles. The manufacturing process involves pouring the molten waxes into pre-designed molds, cooling the molds and shaping the candles. The majority of wastewater originates from the sanitary facilities and discharges to the Ley Creek Sewage Treatment Plant. Cooling waters discharge directly to Ley Creek.

The plant operates 5 days per week, 16 hours per day and employs 300 people. Approximately 89,570,000 gallons of municipal water has been utilized during the past three years (1970, 1971, 1972) for an average of 30,000,000 gallons per year or 120,000 gpd. Another 350,000 gallons of saline water is utilized per day from a private well. The major raw materials utilized per year are beeswax - 1,500,000 lbs. and parafin - 11,000,000 lbs. Other raw materials such as stearic acid, bleaching and cleansing solutions are used in minimal amounts.

Composite samples were collected from two sampling locations shown on the enclosed sketch. The samples obtained through SEW #1 contain discharges from the sanitary facilities, while samples collected through SEW #2 contain cooling water discharge.

WILL & BAUMER CANDLE
COMPANY, INC.
SAMPLING SITES



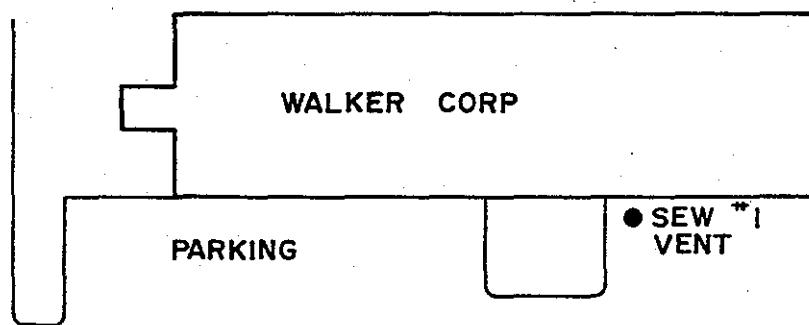
WOLFF AND DUNGEY, INC.
325 Temple Street
Syracuse, N.Y.

Wolff and Dungey, Inc. is primarily a foundry-type operation where a variety of aluminum castings as well as wood and metal patterns are produced. Molten aluminum ingots are poured into sand molds and cooled. The hardened aluminum castings are then chipped and ground into finished products. The majority of the wastewater originates from the sanitary facilities, cooling process and testing operations. The water used in the product testing is discharged into the storm sewers.

The foundry operates 5 days per week, 8-1/2 hours per day. A total of 27 people are employed full time. Approximately 10,192,000 gallons of water is utilized per year or 40,800 gpd. The cooling process uses approximately 79,600 gallons of water per year. Sixty percent of the cooling water is re-used in wetting the sand molds. The sanitary facilities, boiler feed and product testing utilize the remaining municipal water entering the plant. Aluminum ingots, sand and lumber represent the major raw materials used.

One composite sample was taken during the production day from a manhole in an alley behind the building.

WALKER , CORP & CO. INC.
SAMPLING SITE



N. COLLINGWOOD AVE.

YOUNG & FRANKLIN TOOL WORKS, INC.
Liverpool Road
Liverpool, New York 13088

The Young & Franklin Tool Works, Inc. can be classified as a job machine shop. They manufacture tools, dies, jigs and fixtures. They also design and build machinery to specification. Wastewater originates basically from two sources, 1) hydraulic test stand operation 2) sanitary facilities.

Young & Franklin is in operation 6 days a week with 10 hour days Monday through Thursday and 8 hour days Friday and Saturday. There are 60 people employed at this industry. It is estimated from past water usage records that this plant takes in approximately 447,000 gallons of water a year. This total can be expressed as a rate of 1,800 gallons used per day.

Sampling of this industry was of two types. A composite sample was taken over a normal production day in which the hydraulic test stands were operating. This sample was taken from an outfall in a manhole near the adjacent parking lot in the southeast corner (see sketch). Also a grab sample was taken from a vent on the sanitary line that is located on the west side of the building (see sketch).

YOUNG & FRANKLIN TOOL WORKS, INC
SAMPLING SITES

YOUNG & FRANKLIN

SEW "2

VENT

SEW "1

MH

OLD LIVERPOOL RD.

CRITERIA FOR FREQUENCY OF INDUSTRIAL SAMPLING PROGRAM

Monthly

Flow - over 225,000 gpd

Flow with heavy metals and any other toxic substances

Flow over 75,000 gpd with BOD₅ over 300 mg/l and TSS over 350 mg/l

Every Other Month

Flow - 100,000-225,000 gpd

Flow - 50,000-75,000 gpd with BOD₅ over 300 mg/l and TSS over 350 mg/l

Every Three Months

Flow - 75,000-100,000 gpd

Flow - 25,000-50,000 gpd with BOD₅ over 300 mg/l and TSS over 350 mg/l

Every Six Months

Flow - 50,000-75,000 gpd

Flow - 10,000-25,000 gpd with BOD₅ over 300 mg/l and TSS over 350 mg/l

Once a Year

Flow - under 50,000 gpd

Flow under 10,000 gpd with BOD₅ over 300 mg/l and TSS over 350 mg/l

INDUSTRIES TO BE SAMPLED EVERY MONTH (Cont'd.)

<u>Industry</u>	<u>SIC</u>	<u>No. of Sampling Points</u>	<u>No. of Samples/Year</u>
Hall & McChesney Inc.	26	3	30
Jardine Bronze & Alum. Foundry Inc.	336	1	12
Kilian Mfg. Corp.	35	1	12
King Laboratories, Inc.	36	1	12
Kraft Co. Corp. Sealtest Food Div.	202	7	25
Lipe-Rollway Corp.	37	6	17
McIntyre Bros. Paper Co. Inc.	26	2	24
McMillan Book Co., Inc.	26	2	24
Mead Containers Div. of the Mead Corp.	26	1	12
Microwave Systems, Inc.	36	2	24
Midstate Printing Corp.	26	1	12
Miller Electroplating & Anodizing Co.	347	1	12
National Plating Co., Inc.	3471	1	12
New Process Gear Div. Chrysler Corp.	37	1	12
O.M. Edwards Co., Inc.	34	5	30
Packaging Corp. of America	26	1	12
Pass & Seymour, Inc.	36	6	28
R.E. Dietz Co.	36	3	36
Rockwell International	35	3	36
Rollway Bearing Co., Inc.	35	1	12
Roth Bros. Metal Co., Inc.	336	2	24
Storms Plating Inc.	347	1	12
Syracuse Paint & Varnish Div. Midstate	285	1	12
Syracuse Coca-Cola Bottling Co.	208	1	12
Syracuse Die Castings & Mfg. Co.	336	2	24
Trident Printing	27	1	12
W.D. Carpenter Co., Inc.	2818	1	12
Weco Graphic Co., Inc.	26	2	24

INDUSTRIES TO BE SAMPLED SIX TIMES PER YEAR

<u>Industry</u>	<u>SIC</u>	<u>No. of Sampling Points</u>	<u>No. of Samples/Year</u>
Super Heat Treating, Inc.	339	1	6
Upstate Medical Center	472	5	30

INDUSTRIES TO BE SAMPLED FOUR TIMES PER YEAR

<u>Industry</u>	<u>SIC</u>	<u>No. of Sampling Points</u>	<u>No. of Samples/Year</u>
ABC Diaper Service	7214	1	4
Berg Diaper Service	7214	1	4
Cambridge Filter Corp.	35	1	4
City Linen and Towel Supply Co., Inc.	721	2	8
Crowley's Milk Co., Inc. Netherland Div.	202	2	8
Frazer & Jones Co., Div. of Eastern Co.	332	1	4
Harrison Bakery Inc.	205	1	4
Interstate Bakeries Corp., Millbrook	205	2	8
Penny Curtiss Baking Co., Inc.	205	3	12
Pepsi-Cola Syracuse Bottlers, Inc.	208	2	8
Stanton Foundry, Inc.	332	1	4
Syracuse China Corp.	32	1	4
Syracuse Plastics Inc.	3079	1	4

INDUSTRIES TO BE SAMPLED TWO TIMES PER YEAR

<u>Industry</u>	<u>SIC</u>	<u>No. of Sampling Points</u>	<u>No. of Samples/Year</u>
A.E. Nettleton Co.	314	1	2
Allied Industrial Laundry	7219	1	2
B.G. Sulzle, Inc.	387	1	2
Canada Dry Bottling Co. of Syracuse, New York	208	1	2
Centro	417	1	2
Church & Dewight Co., Inc.	281	1	2
Clark Concrete Co., Inc.	32	2	4
Clark Trucking Co.	423	1	2
Corenco Corp. (Syracuse Rendering Co.)	209	1	2
Darling Ice Cream Co., Inc.	202	1	2
Diebold Inc., Lamson Div.	35	1	2
Eagle Metalcraft, Inc.	34	2	4
Easy Wash Laundry	7215	1	2
Gaylord Bros. Inc.	26	1	2
Greif Bros. Corp.	34	1	2
Hoffman Industries Div. of Clarkson Ind.	35	1	2
Hoffman Sausage Co.	201	1	2
Instant Whip Co., Inc.	202	1	2
Interstate Industrial Laundry	7219	1	2
Jeans Foods Inc.	209	1	2
Mack Miller Candle Co., Inc.	39	2	4
Marble Farms Dairy Inc.	202	1	2
Oberdorfer Foundries, Inc.	336	1	2
Seven-Up Bottling Co. of Syracuse, Inc.	208	2	4
Sims Casting Corp.	336	3	6
Syracuse Old Fashioned Beverages, Inc.	208	1	2
Syroco, Div. Dart Industries, Inc.	39	1	2
Terrel's Potato Chip Co., Inc.	209	1	2
Thermold Corp.	3079	2	4
Union Carbide Corp. Linde Div.	281	1	2
Ventre Packing Co., Inc.	203	1	2
Ward Foods, Inc.	205	1	2
Will & Baumer Candle Co., Inc.	39	2	2

INDUSTRIES TO BE SAMPLED ONCE A YEAR

<u>Industry</u>	<u>SIC</u>	<u>No. of Sampling Points</u>	<u>No. of Samples/Year</u>
All State Stampings Corp.	347	1	1
Allen Tool Corp.	35	1	1
Alpha Portland Cement Co.	32	3	3
American Optical Co.	383	1	1
Anaren Microwave, Inc.	36	2	2
Atlas Baking Co.	205	1	1
Aubour Corp.	26	1	1
Bausch and Lomb, Inc.	383	1	1
Bohanon Corcoran Printing Corp.	26	1	1
Brown and Regan Inc.	3479	1	1
Buckley Rd. Car Wash	7542	1	1
Burdett Oxygen Co. of Syracuse, Inc.	281	1	1
Burkhard Bros. Inc.	35	1	1
Burnett Process Inc.	32	1	1
Caldwell and Ward Brass Co.	336	1	1
Cardinal Cleaners	7215	1	1
Carpenter Mfg. Co., Inc.	35	1	1
Carpenter Technology Corp.	503	1	1
Cathedral Candle Co.	39	1	1
Citrus Fruit Juice Co., Inc.	203	1	1
Community General Hospital	806	1	1
Conti Optical Co., Inc.	383	1	1
Dilurio Bakery	205	1	1
Electro-Ad Sign Corp.	7312	1	1
Empire Donut Shops	205	1	1
Empire Freezers Corporation	4222	2	2
Erhard & Gilcher Inc.	26	1	1
Evans Heat Treating Co.	33	4	4
Fairmount Car Wash	7542	1	1
Frees & Tyo, Inc.	38	1	1
The Fremont Kraut Co.	203	1	1
G.A. Braun, Inc.	35	1	1
G.C. Hanford Co.	283	2	2
Gaebel Enterprises, Inc.	34	1	1
General Crushed Stone Co.	32	4	4
General Heat Treating Corp.	3398	1	1
Gladding-Ranger, Inc.	39	2	2
Glomac Plastics Inc.	3079	1	1
GTE Sylvania	732	1	1

INDUSTRIES TO BE SAMPLED ONCE A YEAR (Cont'd.)

<u>Industry</u>	<u>SIC</u>	<u>No. of Sampling Points</u>	<u>No. of Samples/Year</u>
H.C. Bainbridge, Inc.	39	1	1
Higbee Rubber Co., Inc.	32	1	1
Hy-Grade Metal Products Corp.	344		
Industrial Fabricating Corp.	34	1	1
Inficon	36	1	1
International Milling Co.	204	1	1
J.F. Friedel Paper Box Co.	26	1	1
Teal Ave. Car Wash (John & K. Wall)	7542	1	1
Joseph Cashier & Co., Inc.	34	1	1
Knodell Wholesale Meats, Inc.	2013	1	1
LaGondola Food, Inc.	203	2	2
LaTouraine Coffee Co.	2095	1	1
Learbury Clothes	231	1	1
Leigh Systems, Inc.	36	1	1
Mac-Law Tool & Aircraft Parts, Corp.	35	1	1
M.R. Cary Corp.	209	1	1
Maple Grove Farms	201	1	1
Mara Laundry Center	7215	1	1
Marino's Italian Style Sausage Co.	2013	1	1
Marsellus Casket Company, Inc.	39	3	3
Mastech, Inc.	36	1	1
Ma Tuttle's Home Made Pies, Inc.	205	1	1
Matlack Corporation	423	1	1
McCauliffe Paper Inc.	26	1	1
Meier & Ranz	2013	2	2
Metal Finishing Supply, Inc.	3479	1	1
Muench-Kreuzer Candle Co., Inc.	39	2	2
Morris Centrifugal Pumps	35	1	1
New Brighton Bakery	205	1	1
New York Bakery	205	1	1
Niagara Mohawk Power Corp.	36	2	2
Northeast Oil Co.	29	1	1
Northern Lights Ring	7542	1	1
Onondaga Lightweight Aggregate Corp.	32	2	2
Onondaga Optical Co., Inc.	38	1	1
Onondaga Ready Mix Div. of Elimara Trn.	32	2	2
Onondaga Tool Corp.	35	1	1
Paul DeLima Co., Inc.	2095	1	1
Plaza Laundromat	7215	1	1
Pratt Printing Co., Inc.	26	1	1

INDUSTRIES TO BE SAMPLED ONCE A YEAR (Cont'd.)

<u>Industry</u>	<u>SIC</u>	<u>No. of Sampling Points</u>	<u>No. of Samples/Year</u>
Precision Castings Co.,			
Allied Products Div.	336	2	2
REM Sheet Metal Co.	344	1	1
Republic Controls Corp.	38	1	1
Richards of Course, Inc.	7312	1	1
Ross Bakery	205	1	1
S. Cheney and Son	34	1	1
Sawyer Industries, Inc.	35	1	1
Serve Yourself Car Wash	7542	1	1
Shanahan Tool & Die Corp.	35	1	1
Shop City Laundromat	7215	1	1
Shorgood Poultry Distributors	251	1	1
Siefen Compounds, Inc.	2854	1	1
Sit-In Car Wash, Inc.	7542	1	1
Spaulding Metals Co., Inc.	3479	1	1
Stone Machinery Company	35	1	1
Strathmore Products Inc.	285	1	1
Sundstrand-Engelberg, Inc.	35	1	1
Swenton Tool & Die Co., Inc.	35	1	1
Syracuse Corrugated Box Corp.	26	1	1
Syracuse Electrolyte Corp.	27	1	1
Syracuse Ready Mix Concrete Co., Inc.	32	1	1
Syracuse Safety Service Inc.	23	1	1
Syracuse Stamping Co., Inc.	347	2	2
Syracuse Tank & Mfg. Co., Inc.	34	3	3
Tarson Chemical Co.	250	1	1
Texmark Inc.	35	1	1
Thomas A. Colucci Printing Co.	26	1	1
TOC's Products Inc.	250	1	1
Tru-Tile Inc.	32	1	1
U-Do-It Car Wash	7542	1	1
W.H. Stewart Inc.	35	1	1
Walker Corp. & Co., Inc.	283	1	1
Weather Products Corp.	26	1	1
White Cap Chemical Co.	250	1	1
Winkrete Pre-Cast Corp.	32	4	4
Wolff & Dungey, Inc.	336	1	1
Wood Preserving Co.	24	1	1
Wybar Electronics Corp.	36	1	1
Young & Franklin Tool Works, Inc.	35	2	2